



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Report Date: Mar-18-2018 (Sun.) Officer: 11638 - HAUBOLD, THOMAS Approved by: 11793 - CARBAJAL, STEVEN A

Date Occurred: Mar-18-2018 (Sun.) Time: 2200 Latest Possible Date: Time:

Location of Occurrence: N MILL AVE / E CURRY RD, TEMPE District: N Beat: 2 Grid: 0702

Domestic Violence: No Loss: Damage: Recovered:

Offense: #1 ACCIDENT-FATALITY - COMPLETED

Related Person(s)

VICTIM # 1 - HERZBERG, ELAINE MARIE

Sex: Race: DOB: Height: Weight: Hair: Eyes:

Address:

Home #: Work #: Cell #: Employer:

Employer Address:

Driver's License # Social Security #

SUBJECT # 1 - DALY, SHARON

Sex: Female Race: WHITE DOB: Height: 5'08 Weight: 241 Hair: BLOND Eyes: BLUE

Address: Home #: Work #: Cell #: Employer:

Employer Address:

Driver's License # Social Security #

SUBJECT # 2 - WOOD, SHEILA

Sex: Female Race: WHITE DOB: Height: Weight: Hair: Eyes:

Address: Home #: Work #: Cell #: Employer:

Employer Address:

Driver's License #: Social Security #:

DRIVER # 2 - VASQUEZ, RAFAEL STUART

Sex: Male Race: WHITE DOB: Height: 5'07 Weight: 180 Hair: BLACK Eyes: BROWN

Address: Home #: Work #: Cell #: Employer: UBER

Employer Address:

Driver's License #: Social Security #:

Related Vehicle(s)

Seized for Evidence #1 - 2017 Volvo XC9

License Plate: License State: Arizona VIN#: Style: 4DR AUTOMOBILE

Miscellaneous Information: Color: Gray



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Operational Status: ADMINISTRATIVE

Related Text

Document: ORIGINAL OFFICER NARRATIVE

Author: 22491 - LOEHR, KYLE

Related Date/Time: Mar-21-2018 (Wed.) 2236

Subject: INTERVIEW, DRIVER

AXON BODY WORN CAMERA WAS USED THROUGHOUT MY INVOLVMENT IN THIS INVESTIGATION. ALL FOOTAGE WAS DIGITALLY UPLOADED TO EVIDENCE.COM.

On 03/18/18 at approximately 2340 hours, I was called out to a fatal Uber vehicle vs bicyclist collision near N Mill Ave/S Curry Rd, Tempe. I arrived on scene at approximately 0011 hours and met with Sergeant Carbajal #11793 and VCU Detective Haubold #11638, who advised me that there was a fatal collision between an autonomous Self Driving Uber vehicle and a bicyclist. I was requested to contact the Uber's 'Safety Driver', interview her, and check for impairment.

I located the safety driver, identified via [REDACTED] as (S)RAFAEL STUART VASQUEZ (RAFAELA) in a Ford crossover parked in front of the scene. It was relayed to me that VASQUEZ was in her supervisor's vehicle and was cooperating with Police.

I activated my AXON Body Worn Camera and contacted VASQUEZ. The following is not verbatim and not intended to act as a transcript. For complete details, refer to footage.

VASQUEZ advised she was willing to submit to tests to ensure she was safe to operate a vehicle. VASQUEZ followed me to a level, smooth, flat portion of sidewalk on E Curry Rd just east of N Mill Ave. I observed no sway, and no gait ataxia as VASQUEZ walked. I noticed VASQUEZ's eyes appeared clear, as did her face. VASQUEZ's speech also sounded clear as she spoke, and she could articulate her thoughts clearly with no issues or delay.

VASQUEZ advised me that she is prescribed the [REDACTED], but had not taken the medication that day. VASQUEZ also advised me she takes [REDACTED] for a [REDACTED]. When asked if VASQUEZ had consumed alcohol that day, VASQUEZ advised me she does not drink alcohol. VASQUEZ also advised she had not consumed cannabis in "years".

VASQUEZ stated that she was non-diabetic, had no illnesses, had no recent head/eye injuries, had no physical disabilities, was uninjured (besides general soreness from the seatbelt locking up), and [REDACTED].

VASQUEZ advised me that she had woken up for her day at 1100-1130 hours after 6-7 hours of sleep. VASQUEZ advised me that she had driven to Tucson to visit her father, and drove back home prior to her shift starting.



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VASQUEZ advised she arrived at work at 1830 hours and hit the street between 1945-2000 hours.

I then used my illuminated green colored pen light as a stimulus for HGN testing. VASQUEZ exhibited no resting nystagmus, had equal pupil sizes, and had equal tracking. During the test, VASQUEZ exhibited none of the validated clues of impairment. I then checked VASQUEZ for VGN. VGN was not present.

I then checked VASQUEZ for Lack of Convergence. When I brought the stimulus towards VASQUEZ's nose, she successfully tracked the stimulus inward, exhibiting the ability to converge her eyes.

During the tests, I noticed that VASQUEZ's pupils appeared to be normal in size per our current lighting conditions. When I shined my LED Flashlight into her eyes, they reacted appropriately to the lighting by constricting with no obvious delay.

When VASQUEZ closed her eyes, I observed no eyelid tremoring. During a Romberg Modified Test, VASQUEZ estimated 30 seconds in 38 times seconds, and displayed no muscle tremoring and no sway as she stood.

Lastly, I measured VASQUEZ's pulse using her left radial pulse point. VASQUEZ's resting heart rate was measured at 86 bpm, which is within the DRE Average Range.

Based on my training and experience, I made the determination that VASQUEZ was not impaired.

I received my police training at the Mesa Police Academy, which I graduated from in June 2014; that training included a block of DUI investigation. After the police academy, I entered the field training phase where I received additional training in DUI investigations while having an experienced Field Training Officer observing and providing further instruction. I also attended a class instructed by DPS where I obtained my certificate to operate the Intoxilyzer 8000 in October of 2014. In April 2015 I attended and successfully completed a 24-hour HGN course (final exam and practical wet workshop) instructed by Yavapai County. In June 2015, I became certified in HGN after showing proficiency during a second practical wet workshop hosted by Scottsdale Police Department. In July 2015 I attended and successfully completed the A.R.I.D.E. program hosted by the Phoenix Police Department. In September 2016 I attended and successfully completed DRE School hosted by AZDPS and Phoenix Police Department.

At 0047 hours, I sat alone with VASQUEZ inside Care 7's van. I read VASQUEZ her Miranda Rights verbatim from a department issued card. VASQUEZ advised she understood her rights and would willingly answer my questions. Post Miranda, VASQUEZ advised me that the Uber Vehicle she was operating at



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the time of the collision was in "autonomy" or automatic mode. VASQUEZ stated that she [REDACTED] in any way leading up to the collision.

When asked where her hands were, VASQUEZ advised me that her hands were "hovering" over the steering wheel. When asked what she meant by that, VASQUEZ held her hands in front of her and told me to imagine a steering wheel directly in front of her. VASQUEZ's hands were at the imaginary steering wheel's 5-O'clock and 7-O'clock positions with her palms facing up and her hand in a 'C' shape, as if she was prepared to grab a steering wheel at a moment's notice. [REDACTED]

VASQUEZ stated that prior to the collision, the vehicle had successfully passed its diagnostics, and was operating with no issues.

I asked VASQUEZ to walk me through how she put her car in autonomy mode. VASQUEZ stated that prior to placing the vehicle in autonomy mode, the vehicle does diagnostics and [REDACTED] into the system. Upon passing the diagnostics, and [REDACTED]

[REDACTED] VASQUEZ stated that if the vehicle sensed any issues with its instruments during its operation, the vehicle would kick her out of autonomy mode.

VASQUEZ stated she was in autonomy mode for "quite a while".

VASQUEZ stated that her vehicle was programmed for a circular route that took her northbound on S Mill Ave across to the north side of the Mill Avenue Bridge to E Curry Rd, where she goes eastbound to N Scottsdale Rd and then north into the City of Scottsdale. The route then takes her back southbound into Tempe, where it repeats.

VASQUEZ stated that she was on her 3rd lap around this route, in autonomy mode, and was traveling northbound in the curb lane of N Mill Ave, just south of where a northbound R1 lane opens-up for traffic turning eastbound onto E Curry Rd. At that point, VASQUEZ advised her vehicle struck a bicyclist, later identified as ELAINE HERZBERG. VASQUEZ stated the vehicle was traveling straight, and was not making a lane change at the time of the impact.

VASQUEZ stated that immediately after her vehicle struck HERZBERG, VASQUEZ slammed on her vehicle's brakes, stopping the vehicle [REDACTED]

[REDACTED] VASQUEZ then stated she immediately attempted to call 9-1-1.



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VASQUEZ stated that HERZBERG had "came out of no-where" and that she did not see HERZBERG at all prior to contact. VASQUEZ also stated that HERZBERG was perpendicular to the roadway, as if she was crossing the road mid-block, not in a crosswalk. VASQUEZ was unable to articulate which direction HERZBERG was traveling at the time of my interview with her.

My interview with VASQUEZ was video/audio recorded. Refer to recording for more details.

I was then requested to perform a body examination on HERZBERG with Crime Scene Photographer J Cynowa #15781, at Scottsdale Osborn Hospital. Officer Santana #22953 was on scene with HERZBERG's body. I took notes on what injuries I observed on HERZBERG, while Cynowa photographed. For more details, refer to Evidentiary Photos. To respect HERZBERG's body, I did not utilize my AXON Body Worn Camera during this body examination.

During the examination, I observed the following obvious injuries:

- Bruising and abrasions across HERZBERG's stomach
- Abrasions across right hip and right ribs
- Abrasions across right outer forearm
- Obvious fracture with torn skin to right humerus
- Abrasions left inner thigh
- Abrasions left outer thigh
- Obvious lower extremity deformity right and left side
- Abrasions left elbow
- Abrasion under chin

While performing the evaluation, I noted slight lividity and blood settling.

The Maricopa County Medical Examiner's Officer later took custody of HERZBERG's body and would performed an autopsy at a later date/time. For complete details of HERZBERG's injuries, refer to autopsy notes/documents.

This concludes my involvement in this incident. For more details, refer to Supplemental Reports, Original Reports, and Accident Reconstruction associated with this incident.

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Related Text

Document: SUPPLEMENTAL OFFICER NARRATIVE

Author: 21782 - SCHARRER, JAMIE

Related Date/Time: Mar-18-2018 (Sun.) 2201

Subject: COLLISION FATALITY

*****DIGITAL EVIDENCE UPLOADED*****

On 03/18/18, at approximately 2201 hours, I was dispatched to a female subject who was laying face down in the street possibly involved in a collision with injuries just north of N. Mill Ave. and W. Washington St., Tempe, AZ. Dispatch then updated the incident occurred on N. Mill Ave., just south of E. Curry Rd.

I arrived on-scene when I saw Officer J. Guajardo standing near Tempe Fire Fighters who were performing CPR and treating a female subject with blonde hair who was across some of the traffic lanes. I then started contacting vehicles which were stopped nearby attempting to locate the involved driver and any witnesses.

I was then directed to the involved vehicle with the collision which was a self-driving Uber vehicle, a Volvo SUV bearing [REDACTED] I contacted the driver who seemed confused and was later identified by their [REDACTED] as Rafael Vasquez.

Vasquez explained they thought they hit a person while driving, but the vehicle was actually being operated in self-drive mode. Vasquez explained they were not controlling the vehicle since it was automatically driving and they did not realize they hit someone. Vasquez then expressed after they stopped they realized they hit someone. I told Vasquez their vehicle had damage and did hit a person on a bicycle. I had Vasquez retrieve their license, registration, and insurance.

I remained on-scene providing security and helping direct traffic during the rest of the investigation. For more information, please refer to the original narrative and all other supplemental narratives. This report is only a summary and for further details, please refer to the video recording of my investigation which was later uploaded to evidence.com. Photographs were taken and later uploaded to evidence.com. This concludes my involvement in this investigation.

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Related Text

Document: SUPPLEMENTAL OFFICER NARRATIVE

Author: 22953 - SANTANA, EDGAR

Related Date/Time: Mar-18-2018 (Sun.) 2349

Subject:

Digital Evidence Uploaded

On 03-18-18 at 2200 hours, I responded to the intersection of Mill Ave. and Curry Rd. Tempe, reference an accident. Notes on the call stated there were injuries and a person who was riding a bike was now laying on the road.

Upon arrival, I made contact with other officers on scene who were collecting information from the parties involved. I made contact with Tempe Fire Medical Rescue who advised the victim was unconscious and was being transported to Scottsdale Osborn Hospital. Tempe Fire and Medical Rescue Engine 276 A-shift Captain Williams was on scene and Medic 276 conducted the transport under Run# 18-103021.

Once at Scottsdale Osborn Hospital Trauma Dr. Hu provided further medical treatment and pronounced the victim deceased at 2230 hours. The medical staff documented injuries as I was present. I requested assistance from Tempe Police Sergeant Breen to identify the victim using the fingerprint reader. The fingerprint reader provided a name of Elaine Marie Tony which returned as no record through police databases. I tried running the name on [REDACTED] and it provided the name of Elaine Marie Herzberg which showed an MVD photograph matching our victim. I searched [REDACTED] once again for tattoos they may have been documented through previous contacts with Elaine. I found a photograph of a butterfly in a triangle located on Elaine's left shoulder blade. It should be noted the victim Elaine had the tattoo seen in the photograph on her body.

I stood by with Elaine until Officer Loehr and ID Tech Cynowa arrived at the hospital to conduct a body exam. This concludes my involvement in the incident, see all other Tempe Police officer narratives for further information.

I later uploaded a video taken by my body worn camera as evidence into evidence.com.

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Related Text

Document: SUPPLEMENTAL OFFICER NARRATIVE

Author: 23599 - GUAJARDO,JOE

Related Date/Time: Mar-19-2018 (Mon.) 211

Subject:

On 03-18-2018 at approximately 2204 hours, I responded to the area just south of N. Mill Ave. / E. Curry Rd. on the northbound lanes in Tempe reference an accident with injuries. Comments on the call stated there was a person with a bicycle laying in the road.

Upon arrival, I observed a female who appeared to be unconscious laying on the road. I attempted to get a response from the female who was laying on the ground with no success. I observed her bicycle damaged on the road just north of her with all her property spread out around her. The Tempe Fire department (TFD) arrived on scene and began treating the victim. As TFD was conducting chest compressions, TFD ambulance arrived on scene transported the victim to Scottsdale Osborne hospital.

I contacted the involved vehicle which was a grey marked self-driving Uber Volvo [REDACTED]. I observed damage to the front passenger side of the vehicle. Inside the vehicle on the driver seat was Rafael Vasquez who appeared to be scared and in shock. As I contacted Rafael, I was not able to detect any signs of impairment. I asked Rafael if he would be able to tell me how the incident occurred which he appeared to be slightly confused. Rafael then stated the Volvo was self-driving and he was not in control at the time of the collision. Rafael stated the vehicle was traveling northbound on N. Mill Ave., from the Mill avenue bridge, in the lane closest to the bike lane. Rafael stated as the vehicle approached the 'right turn only' lane, the vehicle hit the victim who was on the bike. Rafael stated he did not see the victim prior to the collision. Rafael stated the vehicle's speed would have been going the speed limit as it is programmed prior to the collision.

This concludes my involvement in this investigation.

My involvement was captured on my body worn camera which was later uploaded as evidence to evidence.com.

For complete details of this investigation, refer to the original report under this IR.

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Related Text

Document: SUPPLEMENTAL OFFICER NARRATIVE

Author: 14616 - MORIARTY, TIMOTHY M

Related Date/Time: Mar-21-2018 (Wed.) 943

Subject:

On 3/20/18 at approximately 1430 hours Detective Ramos and I responded to the Tempe Police Apache Substation located at 1855 E. Apache Blvd., Tempe, to meet with Sgt. Carbajal, Detective Kelly, and Detective Haubold regarding a fatal accident investigation. The accident occurred on 3/18/18 and involved a pedestrian who struck by an autonomous Uber car while crossing the roadway in the area of Mill Ave and Curry Rd., Tempe.

Detective Ramos and I were tasked with locating Rafael Vazquez (aka Rafeala Vazquez) who is an Uber employee seated in the driver seat of autonomous vehicle at the time of the accident. Detective Kelly needed to locate Vazquez to conduct a follow up interview and to seize the cell phones in Vazquez's possession. The address Vazquez provided during the initial investigation was found to a bad address and Detective Kelly's attempts to locate Vazquez ended with negative results.

Detective Kelly had obtained a search warrant, SW# 2018-002912, to seize Vazquez's cell phones.

Through investigative techniques, Vazquez was found to be staying at a [REDACTED]. Sgt. Carleton, Detective Ramos, and I went to [REDACTED], in an attempt to locate Vazquez. While at [REDACTED] Vazquez was found to be staying in [REDACTED].

At approximately 2157 hours on 3/20/18 Sgt. Carleton, Detective Ramos, and I contacted Vazquez at [REDACTED]. Vazquez was informed that a search warrant was obtained to seize the cell phones in her possession. Vazquez was shown a copy of the search warrant and complied with the warrant. Vazquez turned over two LG cell phones in her possession. One cell phone was an LG MP450, [REDACTED] with a silver case and the other cell phone was an LG MS550, [REDACTED] with a black case. The cell phones were seized as evidence and Vazquez was provided a copy of the search warrant and a receipt for the two cell phones seized for the search warrant.

I attempted to conduct a post Miranda Rights interview with Vazquez regarding the accident. However, Vazquez stated she was advised by her attorney not to answer questions.

Sgt. Carleton, Detective Ramos, and I recording the service of the search warrant on our body worm cameras. The recordings were uploaded as evidence.



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On 3/21/18 at approximately 0020 hours the two seized LG cell phones were placed in a temporary evidence locker, locker #24, at the Tempe Police Hardy Substation located at 8201 S. Hardy Dr., Tempe.

On 3/21/18 at 0730 hours I removed the seized cell phones from the Tempe Police Hardy Substation and took them to the Tempe Police Headquarters located at 120 E. 5th St., Tempe. At approximately 0815 hours on 3/21/18 I turned over the cell phones to Detective Barutha for a Forensic Analysis.

See the original report and all related supplements for further details regarding this investigation.

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Related Text

Document: SUPPLEMENTAL OFFICER NARRATIVE

Author: 18382 - RAMOS, ALBERT

Related Date/Time: Mar-22-2018 (Thu.) 2232

Subject:

On 03-20-18 at approximately 1350 hours I was contacted by Sergeant M. Carleton who advised me to respond to the Tempe Police Apache Substation to assist Detective B. Kelly of the traffic unit.

I responded to the Tempe Police Apache Substation and met with Detective Kelly at approximately 1450 hours. I was provided a search warrant to seize all cellular phones that Rafaela Vasquez had in her possession.

Through investigative means I learned that Vasquez has family and a previous address in Tucson. Additional information obtained revealed that Vasquez may be at [REDACTED]. The address for [REDACTED] is [REDACTED].

At approximately 2140 hours Sergeant M. Carleton, Detective T. Moriarty and I arrived at [REDACTED] and spoke with the front desk employee. I showed the employee a photo of Vasquez and provided her name. The employee advised me that Vasquez had previously been in [REDACTED] but got moved to [REDACTED] after complaints of her television not working.

Sergeant Carleton and Detective Moriarty responded to [REDACTED] and contacted Vasquez. Once there they served the warrant to obtain her cell phones. I retrieved Vasquez's physical copy of search warrant 2018-002912 and went to [REDACTED]. Upon arriving at the motel room I activated my body worn camera. I turned the copy of the search warrant over to Sergeant Carleton who provided it to Vasquez.

Vasquez complied with the warrant and obtained two LG cell phones. Vasquez turned the phones over to me but asked me to obtain information out of them for her. She input her passcode and to allow me access and then asked me to retrieve her dad's phone number and her lawyer's phone number. I did not ask Vasquez any questions about the accident due to her stating that her lawyer advised her not to talk to the police about it. The phone's were turned over to Detective Moriarty. Refer to Detective Moriarty's report for the specifics of the warrant service and the disposition of the cellular phones.

On 03-22-18 at 2330 hours I returned the search warrant to Maricopa County Superior Court Judge Lori Ash.

This concludes my involvement in this investigation, refer to the attached reports for further details.



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Follow Up Report #1

Assigned to: 15781 - CYNOWA SR, JAMES R

Assigned on: Mar-19-2018 (Mon.) 402

Capacity: Supplemental

Completed: Yes

Approved on: 03/22/2018

Approved by: SOMERSHOE, LAURA

Narrative Text #1

Document: LAB/FORENSICS RESULTS

Related Date/Time: Mar-20-2018 (Tue.) 1213

Notification:

On Sunday, March 18, 2018, at 23:00 hours, I was contacted by Tempe Police dispatch, and asked to respond to Mill Avenue and Curry Rd. Tempe, Arizona, to assist the Vehicular Crimes Unit with a fatal accident investigation.

Arrival/Briefing:

I arrived at 23:50 hours, I observed the curb lane of north bound Mill Avenue closed to traffic. I was briefed by Detective T. Haubold #11638 and learned the following. The decedent identified as Elaine Herzberg DOB [REDACTED], was crossing Mill Avenue mid-block from the west to east, when she was struck by a Gray Volvo XC90 Arizona license [REDACTED] Uber vehicle traveling north bound on Mill Avenue in the curb lane.

Scene processing:

Using my Nikon D-500 digital camera, approach and overall photographs were taken. (Refer to photographs 1-45).

Photographs were taken of the following placarded items. (Refer to photographs 46-81).

1. Marks on the roadway
2. Marks on the roadway
3. A white handle from a water jug and a towel on the east sidewalk
4. Marks on the roadway
5. Marks on the roadway
6. A blood stain on the roadway
7. A white lid from a water jug on the east sidewalk
8. The bicycle in the roadway
9. A blue water jug in the grass on the east side of the road
10. The Uber vehicle
11. A shoe in the roadway

Photographs were taken of the position of the bicycle to the vehicle. (Refer to photographs 82-101).

Detective Haubold requested I respond to Honor Health Scottsdale Osborn Medical Center located at 7400 E. Osborn Rd. Scottsdale, Arizona to photograph the decedent.

I left the scene at 02:05 hours.

I arrived at Scottsdale Osborn at 02:17 hours, I met with Officer K. Loehr #22491, and was directed to trauma room #54.



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With the assistance of Officer Loehr photographs were taken of the decedent and injuries to the right side, right hip, stomach, right arm, left leg, back, left ankle, chin and eyes.

I cleared from the medical center at 02:50 hours.

Upon returning to the Forensic Services Unit the photographs were uploaded into Portfolio and Axon. Photograph number 23 was uploaded out of order in Axon due to an error.

This concludes my involvement in this investigation.



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Follow Up Report #2

Assigned to: 19443 - BARUTHA, J

Assigned on: Mar-20-2018 (Tue.) 1323

Capacity: Evidence Processing

Completed: Yes

Approved on: 04/19/2018

Approved by: CARBAJAL, STEVEN A

Narrative Text #1

Document: DETECTIVE NARRATIVE

Related Date/Time: Mar-30-2018 (Fri.)

On 3/19/2018 at approximately 0040 hours, Sgt. S. Carbajal contacted me by telephone requesting my assistance with a fatal vehicle vs. pedestrian car accident. Sgt. Carbajal stated the vehicle was an Uber autonomous vehicle driving northbound on Mill Avenue approaching Washington Street in Tempe when the accident occurred.

Sgt. Carbajal advised there was a rear-view mirror camera that contained a Secure Digital (SD) card and requested that I write a search warrant to remove the card and extract the video possibly showing the accident contained on it. Currently, I am a Detective within the Tempe Police Criminal Investigations Bureau assigned to the Digital Forensics Unit.

At approximately 0130 I arrived at the Tempe Police Headquarters where I began receiving information from Sgt. Carbajal and Det. T. Haubold about the incident to write the search warrant on their behalf. After the search warrant was written, I responded to the Apache Substation located at 1855 E. Apache Blvd, Tempe, AZ to fax the warrant to the Search Warrant Center.

At 0346 hours, Honorable Lori Ash signed search warrant #2018-002883 which allowed us to remove a SD card containing video of the incident from a rear-view mirror camera that was located inside a 2017 Grey Volvo XC90 four door station wagon registered to a UATC (Uber Advanced Technologies Center) LLC and extract the video.

Shortly after writing and obtaining the search warrant I responded to the Tempe Police Property and Evidence facility located at 1875 E. Apache Blvd, Tempe, which is located behind the Apache Station. I met with Sgt. Carbajal and Det. Haubold at this location and the current location of the 2017 Grey Volvo XC90. Det. Haubold unlocked the vehicle and allowed me to enter it at approximately 0400 hours.

I located a Janus V3 commercial grade dash camera located just below the rear-view mirror. On the driver's side of the device was a slot for a microSD. Photographs were taken of the device and the microSD card slot using my department issued cell phone. I removed the SD card and observed it to be a 64GB SanDisk Extreme PLUS. Additional photographs were taken of the SD card. These photographs were uploaded to Evidence.com.

The SD card was then taken to the Tempe Traffic Bureau conference room located at the Apache Station. In the conference room I set up my forensic laptop and connected a Tableau T8u Forensic USB 3.0 Bridge to the laptop. This device is a hardware write blocker. Write blockers are devices that allow for the acquisition of information from digital storage media (hard drives, solid state drives, thumb drives, flash cards) without creating the possibility of changing the digital content of that media.

I then connected the microSD card via a microSD to USB adapter to the Tableau T8u write blocker. Using Windows 10 File Explorer to view the contents of the SD I located the following in the root directory:

EMERGENCY (File folder)



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EVENT (File folder)
LOG (File folder)
MOTION (File folder)
NORMAL (File folder)
OBS-Studio-20.0.1-Full-Installer.exe (Application)
Passops_Rev_1b (File)
PCManagerInstall-1.6.2.27.exe (Application)
setup.cfg (CFG File)

Upon review of the folders, the video was stored in the NORMAL folder.

During this time, Uber representatives were present and were provided with some of the video located in the NORMAL folder to assist with playing and locating the video of the accident. PCManagerInstall-1.6.2.27.exe which is the player to play the .kds video files was installed and utilized. After reviewing several .kds video files, UTC20180319_045552.kds was located.

UTC20180319_045552.kds was located at NORMAL\UTC20180319_040440\UTC20180319_045552.kds. This video file showed the accident. Sgt. Carbajal and Det. Haubold were shown the video and provided a copy for additional review. Although I did review the video, please refer to Det. Haubold's report for further details.

Uber representatives kept a copy of the video as well as provided a copy of search warrant #2018-002883. They were also advised that I would be impounded the microSD card as evidence.

On 3/20/2018, search warrant #2018-002883 was returned and signed by Honorable Melissa Zabor. A copy of the search warrant was impounded as evidence (TE321768-2). Additionally a forensic image was created of the microSD card using EnCase v8.05 and a Tableau write blocker. The microSD card was impounded as evidence (TE321768-1) after the forensic image was created.

A copy of the video files along with the forensic image of the microSD card will be saved to a secure, on-site forensic server if needed at a later date.



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Follow Up Report #3

Assigned to: 17225 - KELLY, WILLIAM R

Assigned on: Mar-20-2018 (Tue.) 1630

Capacity: Secondary Investigator

Completed: Yes

Approved on: 03/26/2018

Approved by: CARBAJAL, STEVEN A

Narrative Text #1

Document: DETECTIVE NARRATIVE

Related Date/Time: Mar-20-2018 (Tue.) 1633

On 03/19/18 at approximately 0530 hours I was contacted by Sgt. Carbajal requesting I respond to the Tempe Police Substation, 1855 E. Apache Blvd., Tempe, to assist with a fatal collision investigation. I arrived at the station at approximately 0630 hours and Sgt. Carbajal and Det. Haubold explained to me that Elaine Herzberg had crossed outside of a crosswalk in a dark portion of Mill Ave. south of Washington St., Tempe and had been struck by an Uber self-driving vehicle on 03/18/18 at approximately 2200 hours. She was pronounced deceased at approximately 2230 hours at Scottsdale Osborn Hospital. It was further explained to me that Elaine's family had not been identified or contacted regarding this incident. I was asked to help identify and locate Elaine's family.

At approximately 0640 hours on 03/19/18 I began checking [REDACTED] to assist in identifying Elaine's next of kin. Through these [REDACTED] confirmed [REDACTED], that Sharon Daly was Elaine's mother. Sharon's most current known residence was listed as being [REDACTED]. At approximately 0730 hours I began to drive to Sharon's residence. I arrived at approximately 0815 hours. I spoke to a male subject on the property and asked if Sharon was a resident. He said she was and agreed to get her for me. When the subject returned from the residence he said Sharon was just waking up and would take a few minutes to come out. I asked if I could enter the residence and he said Sharon was a hoarder and there was no room inside for us to speak. At approximately 0825 hours Sharon exited the residence. I asked if Elaine was her daughter and she said she was, I also showed her a current photo of Elaine to verify it was the same person and she said it was. I then advised Sharon that Elaine was deceased and explained how the incident occurred. I offered Sharon resources, including grief counselor's, but those resources were denied. Sheila Wood, Elaine's sister, was also present at the time of the notification. I provided both of them Det. Haubold's business card and directed them to him for any questions regarding the investigation.

On 03/19/18 at approximately 1000 hours I sat in on a briefing with Sgt. Elcock regarding the press release. After this meeting I had no involvement in the investigation until Sgt. Carbajal contacted me at approximately 1300 hours. At that time he requested that I author a search warrant to seize the Uber driver's cell phone. I was advised the Uber driver's name was Rafael Vasquez. I then wrote a search warrant to seize from Rafael her cell phone. The search warrant was sent to the Maricopa County Superior Court Search Warrant Center and was signed by Honorable McLaughlin. The search warrant was assigned number 2018002912. I received the signed search warrant via fax at approximately 1445 hours on 03/19/18. After receiving the search warrant I tried calling Rafael at [REDACTED] three times, each time the call went immediately to voicemail. I left a voicemail after the first call. At approximately 1450 hours I responded to the address Rafael had written on her witness statement and provided to officers at the scene at the time of the collision, [REDACTED].

When I arrived at approximately 1550 hours I noticed an orange Dodge Caliber parked in the driveway with Idaho license plate K491935. I ran this plate and it returned to [REDACTED]. I then attempted to contact the occupant of the residence. After ringing the doorbell a white female, who I recognized not to be Rafael answered the door. I asked if I could speak to Rafael. The female, who was identified as Sherry Delarre, stated



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Rafael did not live there. She said she had never met Rafael, but believed Rafael was the previous renter of the house. She said she was upset at the fact that Rafael's mail and packages were still delivered to the house, and Sherry had to return them to their senders. She further told me the property was managed by Service Star Realty.

On 03/19/18 between 1700 hours and 1900 hours I spoke to Sgt. Carbajal several times regarding what was going to be done to locate Rafael for the purposes of serving the search warrant. Through these conversations he advised me the Tempe Police C.A.S.T. was going to respond and attempt to locate Rafael. At 2000 hours I received a phone call from Det. Perkett. I advised Det. Perkett with the information I had regarding what efforts had been made to that point. At approximately 2200 hours I received an email from Sgt. Petersen stated that C.A.S.T. had not located Rafael.

On 03/20/18 at approximately 0700 hours I arrived at the Tempe Police Apache Substation and began checked [REDACTED] to determine if Rafael and Sherry were associates. I wanted to verify that Sherry did not provide false information about not knowing Rafael. Based on all of the databases and websites I checked I found no evidence showing Sherry and Rafael knew each other or should know each other. After checking these databases I checked my email. When I checked my email I saw I had a missed voicemail that was time stamped 03/20/18 at 0304 hours from [REDACTED]. I listened to the message and caller identified herself as Rafael. She apologized for missing my call, and said she would call me on 03/20/18 in between doctor's appointments she was going to.

At approximately 0730 hours I attended a briefing to determine assignments for the day regarding this case. I was assigned to write a search warrant to obtain digital information from Rafael's cell phone provider to assist in locating her. I spoke to Det. Perkett at approximately 0920 hours and obtained information about writing this type of search warrant. Det. Perkett emailed me a copy of a sample of this type of warrant which I used to assist in writing the warrant. After reviewing the sample I began writing the search warrant at approximately 0935 hours. I finished the search warrant at approximately 1030 hours, but was unable to send it via fax due to the fax machines not working.

On 03/20/18 at approximately 1030 hours I attempted to contact Service Star Realty at [REDACTED] but there was no answer. Since I was unable to speak to a representative of Service Star Realty I was unable to determine if they had any forwarding address information for Rafael.

At approximately 1243 hours I tried calling Rafaela again. This time the phone rang, but still went to voicemail. I again left a voicemail asking her to call me. As of 1800 hours on 03/20/18 I still had not received a return call from Rafael.

At approximately 1325 hours I responded to the Search Warrant Center, [REDACTED] I hand submitted the search warrant which was reviewed by Honorable Zabor. Honorable Zabor granted the warrant to track Rafael's phone and signed the warrant. After obtaining a copy of the signed search warrant #2018002982 I responded back to the Apache Substation. At approximately 1450 hours I met with Det. Ramos who took over attempting to locate Rafael. I provided Det. Ramos with copies of the original warrant for the cell phone and a copy of the cell phone tracking warrant. Upon review of the cell phone tracking warrant Det. Ramos noticed a minor error in wording of the warrant. I then corrected the warrant and began attempting to fax the corrected warrant and return of the unserved warrant to the Search Warrant Center. Between 1450 hours and 1630 hours I



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attempted to find a working fax machine at 1855 E. Apache Blvd. At 1630 hours I found the fax machine in the Tempe Police Dispatch Center was working and was able to fax the paper work to the Search Warrant Center.

On 03/20/18 at approximately 1757 hours I received a phone call from Honorable McLaughlin from the Search Warrant Center. After swearing me in she advised she was signing the warrant and would fax it back. At approximately 1811 hours I received a fax with a signed copy of search warrant #2018-002991. This warrant was turned over to Det. Ramos to serve on T-Mobile.

This concluded my involvement in this case at this time.

-Pending-



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Operational Status: ADMINISTRATIVE

Follow Up Report #4

Assigned to: 19443 - BARUTHA, J

Assigned on: Mar-21-2018 (Wed.) 916

Capacity: Evidence Processing

Completed: Yes

Approved on: 04/19/2018

Approved by: CARBAJAL, STEVEN A

Narrative Text #1

Document: DETECTIVE NARRATIVE

Related Date/Time: Apr-19-2018 (Thu.)

On 3/21/2018, at approximately 0830 hours I received two LG cell phones from Det. T. Moriarty. Det. Moriarty indicated he recovered the two phones from Rafael(a) Vasquez in Tucson, AZ earlier in the morning. The phones were in a clear plastic bag along with the swipe pattern passcode to unlock both phones [REDACTED]. Det. T. Haubold who was aware the phones were being brought to me for forensic examination also provided to me a copy of search warrant #2018-002912 which allows us to extract and examine the data stored on the phone(s) belonging to Rafael(a) Vasquez.

On 3/19/2018, I had been previously involved in this investigation.

The search warrant was authored by Det. B. Kelly #17225, and allows us to review all content contained on the phone immediately leading up to and immediately following the collision, which occurred on 3/18/2018 at approximately 2200 hours.

TE321768-3 LG MP450 Stylo 3 Plus

At approximately 0930 hours I began the examination on the phone. The phone was removed from the clear bag. Photographs were taken of the phone utilizing a USB document camera attached to my forensic computer. I noticed the phone contained a SIM card and no microSD card. The phone was also still powered on and had already been placed into airplane mode, terminating cellular network connectivity, preventing remote access to the device.

The phone was then connected to Cellebrite's UFED Touch. Following on-screen instructions, I enabled developer options on the phone to turn on USB debugging. The UFED Touch indicated it could perform a physical data extraction, however, when this extraction method was attempted, it failed and there was an indication the phone was not running the correct operation system to be able to perform this type of extraction.

I then tried to obtain a file-system extraction which also failed and caused the phone to reboot several times while attempting to obtain a file-system extraction. I was successful at obtaining a logical data extraction. That data extraction was transferred to my forensic computer and loaded into Cellebrite's Physical Analyzer software.

Cellebrite's Physical Analyzer Software decodes and analyzes the extracted data from the above-mentioned device(s) and allows investigators to sort through call logs, contacts, text messages, application (app) data, images, videos and other data capable of being stored on a cell phone. The software then allows for reports to be generated of your findings and export them in various file formats, such as PDF, HTML and UFED Reader.

I navigated to the timeline which shows activity for texts, phone calls, images taken in chronological order. I did not locate any artifacts that this phone was being used prior to or during the accident for texts, phone calls.

The following video applications and associated user accounts were located on the phone during a manual scroll analysis:



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YouTube (Account email: [REDACTED])

Hulu (unable to view account details due to an Internet connection is required)

Netflix (Account email: [REDACTED])

I am unable to determine if any of these video applications were in use at the time of the accident. Most of these applications require an Internet connection to gain more details and might not store viewing history locally on the device.

The Tempe Vehicular Crimes Unit was notified that they would need to reach out the YouTube, Hulu, and Netflix to see if they retain additional information and if they could provide that information if the necessary legal paperwork was served on them.

A Cellebrite UFED Reader report was generated containing basic cell phone information (make/model) and a three phone calls placed, 1 well before the accident and 2 after. None of these phone calls were placed during the accident.

After the exam, the cell phone was powered off and placed back into the evidence bag.

TE321768-4 LG MS550 Stylo 2 Plus ([REDACTED])

At approximately 1055 hours I began the examination on the phone. The phone was removed from the clear bag. Photographs were taken of the phone utilizing a USB document camera attached to my forensic computer. I noticed the phone contained a SIM card and no microSD card. The phone was also still powered on and had already been placed into airplane mode, terminating cellular network connectivity, preventing remote access to the device. I was able to unlock the device using the same swipe pattern passcode provided to me.

I connected the phone to the UFED Touch. Following on-screen instructions, I enabled developer options on the phone to turn on USB debugging. I was successful at obtaining a logical data extraction. That data extraction was transferred to my forensic computer and loaded into Physical Analyzer.

I navigated to the Timeline and did not locate any calls, texts, or images immediately before or after the accident. YouTube was the only installed media application that I could locate during a manual scroll analysis.

A UFED Reader report was generated only containing basic information about the phone (make/model). After the exam the cell phone was powered off and placed into the evidence bag.

Both cell phones were impounded as evidence.

Based on my examination of the two phones, I am unable to determine if the phones were being used prior to or during the accident. I can say that from the information I was able to extract that no calls were being made or text messages were being sent or received. Further follow up would be needed to determine if any of the three media apps were being used that are associated with the user accounts I had listed.



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It should also be noted that logical extractions were obtained. Deleted information is typically not recoverable during logical extractions. Deleted information can only be recovered during physical data extractions which I was not able to do on these phones due to their operating system version.

All data obtained during this investigation will be saved to a secure on-site forensic server if needed at a later date. This concludes my involvement in the investigation.

Cell Phone Forensic Equipment/Software Utilized

Cellebrite's Universal Forensic Extraction Device (UFED) Touch device extracts user data from a cell phone, tablet, SIM card and stores the extracted data onto a computer, thumb drive or portable hard drive. The UFED Touch supports the following types of extractions:

- Physical extractions
- File-system extractions
- Logical extractions
- SIM card extractions
- Password extractions and bypasses

The type of extraction will depend on the make and model of the mobile device.

Cellebrite's Physical Analyzer Software decodes and analyzes the extracted data from the above-mentioned devices and allows investigators to sort through call logs, contacts, text messages, application (app) data, images, videos and other data capable of being stored on a cell phone. The software then allows for reports to be generated of your findings and export them in various file formats, such as PDF, HTML and UFED Reader.

Cellebrite Extraction Methods Explained

Explained below are the three most common extraction methods. This information was obtained from page 78 of the Cellebrite Certified Physical Analyst Participant Guide. The extraction methods are listed in order from most data obtained to least data obtained.

Physical extraction: A bit-by-bit binary image (.bin) of the flash memory. Contains file system information, user data, hidden files, unallocated space and can contain deleted data such as texts, calls images and video.

File system extraction: Extracts the file system of the device, user data, mobile application data and possible hidden files (protected files).

Logical extraction: Extracts user data from a mobile device (SMS, call logs, pictures, phone book, videos, audio certain application data and more). Based on my experience, sometimes deleted data can be recovered during a logical extraction.

A fourth option is manual scroll analysis. This requires the examiner to manually access the data on the device through the device interface (example: touch screen).



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Operational Status: ADMINISTRATIVE

Follow Up Report #5

Assigned to: 20193 - PALMAIOLI, ANGELENA

Assigned on: Mar-27-2018 (Tue.) 1508

Capacity: Supplemental

Completed: Yes

Approved on: 03/28/2018

Approved by: PENNER, HEATHER L

Narrative Text #1

Document: DETECTIVE NARRATIVE

Related Date/Time: Mar-27-2018 (Tue.)

On 3/20/18 at approximately 1954 hours I was tasked with drafting a night-time exception search warrant reference a vehicular manslaughter case that occurred on 3/19/18 in the area of Mill Ave and Washington St., Tempe.

On 3/20/18 Search Warrant (2018-003000) was obtained from the Honorable Jane McLaughlin of the Maricopa County Superior Court after I was sworn in using my department issued cell phone. I was advised on 3/21/18 at approximately 0002 hours by Tempe Police Sergeant M. Carleton that the night-time exception warrant (2018-003000) was not executed due to the daytime warrant having been served.

A copy of the signed search warrant and non-executed return was impounded as evidence at 120 E. 5th St., Tempe. Refer to the original report and supplements for further details regarding this investigation.

*** Pending ***



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Operational Status: ADMINISTRATIVE

Follow Up Report #6

Assigned to: 22020 - MCCORMICK, MICHAEL

Assigned on: Apr-02-2018 (Mon.) 1443

Capacity: Secondary Investigator

Completed: Yes

Approved on: 04/09/2018

Approved by: CARBAJAL, STEVEN A

Narrative Text #1

Document: SUPPLEMENTAL OFFICER NARRATIVE

Related Date/Time: Apr-05-2018 (Thu.) 1627

NARRATIVE

On 03/20/18 at approximately 0725 hours, I was contacted by Sergeant Carbajal and he requested I respond to the Tempe Police Department's Apache sub-station in order to assist with this investigation.

I arrived at the Tempe Police Department's Apache sub-station and immediately attended a briefing at approximately 0810 hours. In this briefing I was advised I would complete a search warrant on the 2017 Volvo XC90 Uber vehicle in order to image the EDR data from airbag control module. I also learned some basic information about how the collision occurred.

I also spoke with the lead investigator, Detective Haubold. Detective Haubold provided me with additional information about how the collision occurred. I was also shown the dashcam video footage of the collision which was obtained from the 2017 Volvo XC90.

I completed the search warrant and faxed it to the Maricopa County Superior Court search warrant center. At 1125 hours, I was contacted by Superior Court Judge James Rummage on the telephone. I was sworn in and Judge Rummage advised the search warrant was signed, SW2018-002956. This search warrant granted me the ability to image the event and crash data from the 2017 Volvo XC90.

At 1200 hours, I arrived at the storage bay where the 2017 Volvo XC90 was being stored located at 1875 East Apache Blvd. I was accompanied by Detective Strohmeyer of the Scottsdale Police Department. Detective Strohmeyer was present in order to assist with the image of the EDR data from the airbag control module.

At approximately 1220 hours, Detective Strohmeyer completed the image of the EDR data and he provided me with a digital copy of that information. A digital copy of this information was placed onto a CD and impounded into evidence. A copy of this data was printed and attached to this report.

I remained in the storage bay with Detective Guzman while agents from the National Highway Traffic Safety Administration (NHTSA) and National Transportation Safety Board (NTSB) viewed the vehicle. Detective Guzman and I also remained while employees from Uber downloaded data from the 2017 Volvo XC90. Detective Guzman and I secured the evidence bay and the 2017 Volvo XC90 at 1631 hours.

On 03/21/18, I completed a search warrant that would allow detectives with the Tempe Police Department to move the 2017 Volvo XC90 from police impound to the location of the collision and to use that vehicle for a visibility study along with a brake efficiency study. At 1307 hours, I was sworn in by Judge Melissa Zabor of the Maricopa County Superior Court. Judge Zabor advised she signed the search warrant allowing the testing, SW2018-003020.



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On 03/21/18 at approximately 1310 hours, Sergeant Carbajal asked me to contact Detective Barutha, who is a Computer Forensic Examiner, about serving search warrants for video viewing history on the two cell phones collected from Rafael Stuart Vasquez.

I contacted Detective Barutha on the telephone and he told me he processed the two cell phones obtained from Rafael using Celebrite. Detective Barutha told me the LG LGMP450 had the YouTube, Hulu and Netflix applications downloaded onto it. Detective Barutha explained the YouTube application used the email address of [REDACTED] and the application was showing forty-four notifications. The Netflix application on the cell phone was also associated with the same email address as YouTube, [REDACTED].

Detective Barutha explained he could not get any user information for the Hulu application because the cell phone was not connected to the internet and for that same reason he could not get the video viewing history from the YouTube or Netflix applications.

Detective Barutha told me the cell phone LG LGMS550 had only the YouTube application on it, which was associated with email address [REDACTED]. The video viewing history could not be obtained from this cell phone either because it was not connected to the internet.

On 03/22/18 at approximately 0826 hours, Detective Seal and I arrived at the local Uber Inc. office [REDACTED]. Detective Seal served a search warrant on employees of Uber. Detective Seal and I were advised the items requested would be provided at a later date and time. Detective Seal and I left the business without any of the items listed in the search warrant.

On 03/22/18, I completed three search warrants to obtain the video viewing history for the cell phones collected as evidence and associated with email [REDACTED] on 03/18/18 between 2100 hours to 2300 hours for YouTube/Google, Netflix and Hulu. I faxed the three search warrants to the Maricopa County Superior Court search warrant center. On 03/22/18 at 1348 hours, I was sworn in by Judge Melissa Zabor and she advised she signed all three search warrants, SW2018-003079, SW2018-003080 and SW2018-003081.

I reviewed the method YouTube, Netflix and Hulu listed as the method they preferred to be served legal documents. YouTube has an online law enforcement website to upload the documents, which required me to get an account. After registering, I learned I would be unable to finish the process until 03/23/18 because of the verification process. I found that both Netflix and Hulu required legal documents to be mailed to them and it said they would not accept service by fax or email.

I placed the search warrants for Netflix and Hulu into envelopes and I mailed the search warrants via certified mail to the address each company listed for legal documents. Since there would be a delay in each company getting the warrants, I completed a preservation request for each company. After completing the preservation requests, I emailed them to YouTube, Netflix and Hulu using email addresses I found for legal processes. A copy of the preservation letters have been attached to my supplement.

On 03/22/18 at approximately 1855 hours, Detective Haubold and I went to the property bay where the 2017 Volvo XC90 was stored. Detective Haubold and I entered the vehicle and installed the Vericom pursuant to the search warrant, which would be used in the upcoming tests planned for later that night. I also assisted Detective Haubold with taking a couple of damage measurements on the front of the vehicle.



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On 03/22/18 at approximately 2030 hours, I attended a briefing where the tests that were going to be conducted on the vehicle were briefly discussed. During this briefing, I was tasked with driving the pickup with Elaine Herzberg's bicycle in it to the scene of the collision. I was also tasked with letting the tow truck driver into the property room to load the 2017 Volvo XC90 and to follow the tow truck to the scene of the collision.

Detective Haubold provided me with the keys for the pickup and he told me he already placed the bicycle in the bed of the pickup, which was secured with a locked cover over the bed. I also agreed to give Officer Vella a ride in the vehicle I was driving, since she was playing a part in the testing. I let the tow truck into the secured lot at the Apache sub-station and I then allowed him access to the property bay where the 2017 Volvo XC90 was secured. We entered the impound bay at approximately 2050 hours and the driver loaded the vehicle onto a flatbed tow truck.

I followed the tow truck as it pulled out of the parking lot of the Tempe Police Department sub-station at approximately 2105 hours. I followed directly behind the tow truck to the scene where it arrived at 2118 hours. After the tow truck and vehicle were taken onto the Mill Avenue bridge where the tests would be conducted, I was tasked with watching the bicycle at the location of the collision while the tests were prepared. I then assisted with scene security while the test was being conducted.

At the conclusion of the testing, I relieved Detective Marsland of security over the 2017 Volvo XC90 at 2241 hours as the tow truck began to load the vehicle. I remained with the vehicle at this location until we were cleared to return the vehicle to property impound. I followed the tow truck as it pulled out of the location of the testing at 2304 hours. I followed the tow truck from the area of the testing back to the Tempe Police Department Apache sub-station, where it arrived at 2316 hours. The vehicle was secured in the property bay at 1875 East Apache Blvd. Prior to leaving the vehicle, I took photographs and a video of the exterior of the vehicle showing the condition of the vehicle as it was returned to property impound.

On 02/23/18 at approximately 1000 hours, I uploaded the search warrant for YouTube/Google into their website that I gained access to.

On 02/23/18 at approximately 1214 hours, I returned all five search warrants to Judge Melissa Zabor of the Maricopa County Superior Court.

On 03/28/18 at approximately 1330 hours, Detective Seal and I completed a vehicle inspection on the 2017 Volvo XC90. This was an exterior inspection only. For further on the inspection, refer to the Vehicle Inspection Form. After the inspection, the vehicle was left secured in the property bay.

On 04/02/18 at approximately 0852 hours, I obtained the medical records for Elaine Herzberg at Scottsdale Osborn's medical records department located at 7300 East 14th Street, Scottsdale. The medical records are attached to this supplement.

This concludes my involvement in this case.

Pending



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Follow Up Report #7

Assigned to: 20595 - MARSLAND, KASEY

Assigned on: Apr-03-2018 (Tue.) 908

Capacity: Secondary Investigator

Completed: Yes

Approved on: 04/03/2018

Approved by: CARBAJAL, STEVEN A

Narrative Text #1

Document: DETECTIVE NARRATIVE

Related Date/Time: Apr-03-2018 (Tue.) 910

Notification:

On 03-21-18, I reported for duty at 0700 hours and was briefed by Sergeant S. Carbajal and Detective T. Haubold regarding this case. Throughout the investigation, I was assigned the following tasks:

1. Analyze dashcam footage from the Uber vehicle
2. Author search warrants for Uber documents
3. Assist with nighttime visibility study
4. Assist with braking data collection
5. Analyze data to determine the degree of avoidability of the crash

Dashcam Video Analysis:

To assist in this case, I first analyzed the on-board video footage from the camera mounted just ahead of the rearview mirror. I was provided a digital copy of the evidence by Detective T. Haubold. I found that the footage of the crash existed in a digital file with the filename UTC20180319_045552.kds. The video could be played with the software which comes from the video recorder's manufacturer called PC Manager.

After playing the video file, I noted that there are three views provided with a single video file. The first view is out of the front of the windshield, just ahead of the rearview mirror. The second view is from the same location, but faces the cockpit of the vehicle. The third view appears to be a view to the rear of the vehicle.

It was apparent that the three video views, when played through the native software, are not precisely synchronized. Each view appears to play at the appropriate speed, but the timestamps in the frames do not match, and the correlation between views can vary with each playing of the video.

The video player allowed for an export of the video file to a .AVI file format, so this export was used and a .AVI file was created. It was found that this file showed the same three views, but that the timing was also not synchronized.

Therefore, when playing the video file and analyzing its contents, each view was treated independently from the other, and the native file format was used for this analysis.

Triangulation of area of impact:

I first used the video file from the forward-facing cockpit camera (dashcam) to triangulate a location that the camera occupied at the time the impact occurred. Since the video frame at the point of impact showed blurry characteristics consistent with the impact itself, I used the frame immediately prior to impact.



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This video frame recorded the latitude and longitude of Lat:3326.1456 Long:11156.5195. This frame was analyzed to find points in the photo which could be used to triangulate the location of the camera. The first line drawn was from the traffic light pole on the southwest corner of Curry and Mill to the far end of the second white lane line dash visible in the frame. These two items fall on a nearly vertical line within the frame.

The second line was drawn from the street light support on the northeast corner of Mill and Curry to the east edge of the blue informational sign directing drivers to various area of the nearby parks and beach.

The third line was drawn across the access cover over the storm drain which is visible on the sidewalk in the lower right corner of the frame.

These three lines were plotted using aerial photography from the Maricopa county assessor's website and were extrapolated back to a point of common intersection. I used the north end of the solid bicycle lane line at this location as a reference point. I measured the point of intersection to be 22.5 ft prior to the end of the solid portion of the bicycle lane line and 5 ft to its left. The distance from the camera's position to the front edge of the Volvo's front bumper was measured at 70 inches.

These measurements were transferred to the scale diagram produced from the total station data, and the resulting coordinate point for the location of the Volvo's front bumper at this frame of video is 15.5, -69.1 feet. This point would correlate to the center of the front bumper at that point, and not necessarily the location where the pedestrian was standing when she was struck.

To check this method of triangulation using aerial photography, I also responded out to the scene of the crash and used a printed copy of the final video frame before impact to stand in the roadway and achieve the same view that was depicted in the camera. I used the same landmarks described in the aerial photography method to place myself as close as possible to the same location as the camera was in the final pre-impact video frame.

Once my view matched the camera's view, I marked my location and measured 70 inches forward to account for the length of the hood and bumper ahead of the camera lens. I placed a mark on the ground at this point.

I then went to the end of the solid portion of the bicycle lane line and measured back to the coordinate point that I had attained from triangulation on aerial imagery. I marked this point on the roadway as well. I measured the distance between the two marks and found them to be three inches apart.

In our subsequent visibility study, and for calculations, this area was used as the location of the front bumper of Uber's Volvo vehicle at the point of impact.

Crash Events:

In watching the video leading up to the crash, the driver, Rafael Vasquez, can be seen in the driver's seat with her seatbelt buckled. She appears to be looking down at the area near her right knee at various points in the video. Sometimes, her face appears to react and show a smirk or laugh at various points during the times that she is looking down. Her hands are not visible in the frame of the video during these times.



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Before impact, Rafael is looking at the area of her right knee for a notable length of time. Before looking up, her eyes are focused on the area of her right knee. When played at normal speed and measured with a stopwatch, her eyes are averted from the roadway for a total continuous length of time of 5.3 seconds. When using the built-in timer on the video player and moving the video frame by frame, the video player shows that her eyes were averted from the roadway for 4.2 seconds. When she looks back up at the roadway, the vehicle is 0.50 seconds from impact.

Approximately coinciding with the point of impact with the pedestrian, the driver appears to attempt a steering input to the left. This video ceases recording with a UTC time of 04:58:50, just moments after striking the pedestrian. The subsequent video file from this dashcam begins recording after the vehicle has come to its controlled point of rest.

In this second video file (UTC20180319_045907.kds), begins with a UTC time of 04:59:07 the vehicle is at rest and in the right turn lane of Mill Ave, just south of Curry Rd. The driver appears to be looking around, but does not exit the vehicle until a passerby approaches her door.

The rear-facing camera shows traffic approaching from the northbound lanes of Mill Ave. The headlights of these approaching vehicles illuminate a dark object lying in the roadway. This object, presumably the pedestrian, is nearly struck by another approaching vehicle as it moved to enter the right turn lane behind the Volvo. This second vehicle makes an abrupt braking maneuver and appears to have avoided colliding with the pedestrian before backing up and stopping.

Several other vehicles pull over to the side of the road after the near-collision, including one vehicle which stops immediately behind the Volvo. This stopped vehicle blocks the camera's view of further events to the rear. The video plays through its 2 minutes and 58 seconds of video without the driver leaving the driver's seat.

The next video file (UTC20180319_050208.kds) picks up where the previous video file left off. The driver is still in the driver's seat, and she can be seen making a phone call. During the length (2 minutes, 57.93 seconds) of the video, she does not exit the driver's seat at any time. Emergency lights can be seen arriving on scene approximately 2:20.00 into the video's rear-facing camera.

Matching video with EDR data:

Det. T. Haubold provided me with a copy of the data reported by the Volvo's on-board airbag control module (Event Data Recorder, or EDR). The data reports pre-crash data every 0.5 seconds. The data shows that this was a non-deployment event lasting longer than 300 milliseconds.

The service brake is reported as "off" until the data point at $t=0.0s$. Vehicle speed is shown as gradually decreasing after $t=-3.0s$. This was noteworthy since the video was showing a speed which was gradually increasing in the final seconds before impact.

Of particular note was the fact that the video reports a speed of 40 mph at the time of impact with the pedestrian, but 42 mph immediately thereafter. This data appeared suspicious, and further analysis shows that the speed on the video is unreliable.



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The speed on the dashcam video is based on a calculation made from GPS locations and times between those reported locations. Immediately after the Volvo passes the sign which changes the speed limit from 35 mph to 45 mph, the Volvo can be seen accelerating while also passing under the Loop 202 overpass in the video. The acceleration is visible in the video, but the speed reported via the dashcam does not change immediately.

The same video, when played from 00:25, shows the Volvo making a right turn from southbound Scottsdale Rd to westbound Rio Salado Pkwy. The turn appears to be a normal turn in the video, with deceleration leading up to the turn and acceleration leading away from the turn. However, when the reported speed is viewed in conjunction with the video, it shows that the Volvo enters the turn at approximately 19 mph and continues to decelerate while turning. The Volvo aligns itself with Rio Salado while the reported speed on the video is 13 mph. Then, while acceleration is obvious in the video footage, the reported speed continues to drop to 10 mph. The speed remains at 10 mph for a few seconds and then begins to rise.

This same mismatch between visible vehicle acceleration and actual reported speed change can be seen again at 02:00 into the video footage when the Volvo makes a right turn from westbound Rio Salado to northbound Mill Ave. The same delay is present

Knowing this information, the speed reported by the on-screen display of the dashcam was determined to be unreliable for use in synchronizing speeds with the reported speed of the EDR data.

In examining other portions of the pre-crash data, I noted that the Volvo reported a slight steering input to the vehicle's right from 1% at $t=-2.0$ s to 2% at $t=-1.0$ s. At $t=-0.5$ s, the vehicle reported a 4% steering input to the vehicle's left, followed by at 2% steering input to the vehicle's right. Noting the abrupt change in steering, I expected to find similar evidence of steering changes in the video.

Upon examining both the forward-facing camera view and the in-cabin view, I found that the steering inputs described in the EDR report could be matched to the relative motion of background objects in the video. When looking at the timing in relation to impact, however, it was obvious that the left turn input began at approximately the same instant as impact.

For this reason, actual impact with the pedestrian correlates to some point in time prior to $t=-0.5$ s as listed in the EDR data.

Analysis of Driver Behavior:

Since the driver appears to be looking down in the area of her right knee/center console with unusually high frequency for a normal driver, and due to the apparent facial reactions to whatever item has her attention, I began to examine the dashcam video files from the point Rafael begins her shift.

The first video file showing Rafael driving and leaving the garage at her workplace is titled UTC20180319_040440.kds. At approximately UTC 04:06:42, she picks up a gray bag and removes a cell phone with a black case as she is waiting for the garage door to open. She pulls out of the garage and into the parking lot where she remains. During this time as she is parked in the parking lot, which spans 3 subsequent video files, she seems to be continually moving and focused on the center console area.



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At UTC 04:17:05, the driver seems to reach toward the center console area near her right knee with both hands. The exact item she is manipulating is out of camera view. The vehicle then begins to move toward the driveway's exit at 04:19:06. This video ends as the vehicle arrives at the exit onto 14th St.

Video file UTC20180319_041943.kds begins with the driver pulling out of the driveway making a left turn onto 14th St to head toward Priest. The vehicle's steering wheel can be seen as it is manipulated by the driver, indicating that the vehicle is being driven manually. Rafael stops the vehicle approximately 6 car lengths prior to the red light at Priest.

After a few moments, the vehicle begins to move forward toward the intersection and stops again at the red light. At UTC 04:20:48, the driver receives a green light and the vehicle begins to accelerate through the left turn to proceed northbound on Priest. The driver's hands are visible and not on the steering wheel as the vehicle begins its turn, indicating that the vehicle is in its autonomous mode.

The vehicle proceeds northbound on Priest to University Dr. and then east on University. The video stops just prior to the point the vehicle reaches the intersection with Beck Ave.

Video file UTC20180319_042244.kds begins where the previous video left off, and the vehicle is eastbound on University at Beck and ends with the vehicle eastbound on University at College Ave. The driver can be seen looking down toward the console area near her right knee at various points during this video.

Video file UTC20180319_042544.kds begins where the previous video left off, and the vehicle is eastbound on University at College. The driver is frequently looking down at the lower center console area near her right knee. At UTC 04:26:01, she appears to state something, then laugh a moment later.

The vehicle reaches Rural Rd near the middle of the video clip. The vehicle makes a left turn onto northbound Rural at that time. The driver is still glancing at the same area repeatedly during this clip. The clip ends when the vehicle is northbound on Rural between 6th St and Rio Salado Pkwy.

Video file UTC20180319_042844.kds begins where the previous video left off, and the vehicle is northbound on Rural before Rio Salado. The vehicle turns left on Rio Salado, then right on Mill Ave. The video ends as the vehicle is beginning to cross the Mill Ave bridge over the Tempe Town Lake. The driver is frequently looking down at the lower center console area near her right knee during the video.

At this point of watching these clips, I noted that the driver was frequently taking her eyes off the roadway to look at the lower center console area. I decided to log the times she was looking down to compare the times she was alert and looking over the dash. The following information comes from the subsequent 9 video clips leading up to impact.

Video Statistics:

The approach to this analysis was to time the video portions where the driver was looking down at the lower center console area, or in another location which is not attributable to a normal driver's gaze. For example, if the driver's glance appears to have landed on the vehicle's gauges, the rearview mirror, or out the side window, it was not counted as time not looking at the roadway.



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All time where the driver's eyes were clearly below the dash and not on the gauges was recorded as "down" time. All times where the driver appeared to be looking into a mirror, out the windshield, over her shoulder, or out the side window was recorded as "up" time. Each of the 9 video segments were watched in their native format and timed with the timer built into the video player. Each segment of "up" and "down" was recorded in chronological order, and was recorded to the nearest tenth of a second. Refer to the attached Excel spreadsheets containing this information.

In addition to noting the lengths of each time segment, I recorded which segments occurred during times that the vehicle was in motion, and which segments were found to have occurred while the vehicle was stopped. Portions where the vehicle is stopped were highlighted on the attached spreadsheet, along with a note in the "motion" column to describe the motion of the vehicle through the video clip.

The first frame of the first video clip of the 9 that were analyzed here shows a UTC time of 04:31:46. The frame of video at impact with the pedestrian shows a UTC time of 04:58:50. The total time elapsed in the 9 video clips prior to impact is therefore 1,624 seconds.

The total distance, measured with the Maricopa County Assessor's GIS map measurement tool, that the vehicle traveled over these 9 video clips was 62,345 ft (11.8 miles). Adding up all of the intervals in the video where the vehicle was stopped gave a total time spent stationary of 315.4 seconds. This allowed me to calculate that the average velocity of the vehicle while it was in motion was 47.64 ft/s (32.5 mph).

During the 9 video clips, I found that the driver looked down 204 times with nearly all of them having the same eye placement at the lower center console near her right knee. 166 of these instances of looking down occurred while the vehicle was in motion.

The vehicle was in motion for 21 minutes, 48 seconds. Of that time, the total amount of time the driver's eyes were averted from the roadway was 6 minutes, 47.2 seconds, or approximately 32% of the time. Extrapolating this over the entire 21 minutes and 48 seconds of motion, and using the average moving velocity of 47.64 ft/s, the driver's eyes were off of the roadway for 3.67 miles of the 11.8 total miles traveled.

For further information regarding the data and findings of this analysis, refer to the attached worksheets and visual aids. The attachments total 6 pages and are titled "Breakdown of Driver's Eye Movement."

Search Warrants Authored:

On 03-21-18, I drafted an affidavit in support of a search warrant in order to obtain Rafael Vasquez's testing and qualification records, records regarding the performance specifications of the Volvo XC90 as outfitted by Uber, the digital video files captured by the on-board self-driving system upfitted by Uber, and the digital document file titled "K145 Tempe Incident - Preliminary Uber Data Review."

On 03-21-18 at approximately 2010 hours, I was contacted by Honorable Jane McLaughlin of the Maricopa County IA courts. I was sworn in and informed that the warrant was being issued and faxed back to me.



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On 03-22-18, I provided this signed warrant (#2018-003045) to Detective J. Seal, who served a copy of the warrant to Uber personnel on that same day.

On 03-27-18, I learned that the Uber company requested more time to put the files together and was also in legal discussions with my superiors and legal advisor about confidentiality regarding the documents. As such, the decision was made to return the search warrant without seizing any items, and to obtain a new search warrant for the same documents to allow Uber more time to come to a legal agreement. The search warrant was returned to the IA Courts on 03-27-18 and it was documented that no items were seized.

A copy of this warrant and its return are attached to this report for reference.

On 03-27-18, I drafted an affidavit in support of a search warrant to obtain the same four documents that were listed in the above warrant. This warrant (#2018-003228) was issued by Honorable Richard Nothwehr after he swore me in telephonically at approximately 1011 hours that same day.

This warrant was provided to the Tempe PD legal advisor for review prior to delivering to Uber. As of this date, 03-28-18, the warrant remains open and has not yet been served.

Nighttime Visibility Study and Brake Performance Testing:

On 03-22-18, at approximately 2100 hours, I assisted Sergeant Carbajal along with Detectives Haubold, Seal, McCormick, and Guzman in performing a visibility test of the collision scene under the same lighting conditions that existed on the night of the crash.

For more information regarding the parameters of the test and the instructions given to the test driver, refer to Det. Haubold's report.

I lent assistance by placing and instructing the person acting as our pedestrian. I first located the area of impact on the roadway from the previously mentioned measurements. I placed the pedestrian and the bicycle so that the bicycle was perpendicular to the roadway and the pedestrian was standing on the south side of the bicycle, which is consistent with the video footage. The bicycle was placed so that it was facing the area of impact and the pedestrian's hands were on the handlebars. These parameters remained constant for all locations we tested.

We decided to place the pedestrian in three different conditions and test how visible the pedestrian was with each of those conditions. The first placement of the pedestrian was longitudinally even with the area of impact, and laterally even with the left edge of the #1 lane. She was instructed to stand still at this location. Distances to the two nearest light poles were recorded for triangulation purposes.

For this first location, the test driver, Detective Seal, drove northbound along the Mill Ave bridge until he could see the pedestrian and identify her as a pedestrian. He then stopped the vehicle at that location and advised that he could see her. I then went to where the pedestrian was standing and measured the distance to the front bumper of the car three times to ensure a consistent number.

Measurements were recorded with Laserlyte LR-B laser speed and survey measurement device #UX026885. This LiDAR is assigned to Detective Seal, and the unit was found to pass all quality tests before



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and after this study was performed. When using this device to measure the first test distance, the distance was 637.7 ft.

For the second position, the bicycle and pedestrian were moved forward toward the area of impact until they were at the lane line separating the #1 and #2 northbound lanes. The pedestrian was given all of the same instructions and the test was repeated. When Det. Seal stopped the vehicle, I measured the distance from the pedestrian to the front bumper of the vehicle at 812.3 ft.

For the third and final position, the pedestrian was left in the same location, but was told to march her feet in place to simulate the motion created by a pedestrian who is walking. She did not actually move forward or backward in relation to the ground during this test, but moved her feet and knees up and down to simulate a walking motion.

The test was repeated and Det. Seal stopped his vehicle when he could see and identify the pedestrian. This distance was recorded at 818.3 ft.

This concluded the visibility portion of the study. The second portion of this study with which I assisted was testing the braking performance of the Volvo XC90 involved in this crash. Det. Haubold operated the vehicle and installed a Vericom VC-4000 (SN - VC410110602).

5 test runs were completed to test the braking capabilities of the vehicle. In each test, the vehicle was driven northbound in the #2 lane of Mill Ave at approximately 40 mph. The brakes were applied fully when the vehicle was nearing the area of impact and was on the asphalt portion of the roadway. Full braking was applied until the vehicle was at a complete stop.

The results of these tests were printed and attached to this report. The five average f-values obtained for each brake test were 0.932, 0.911, 0.926, 0.918, and 0.914. These numbers were averaged to a drag factor of 0.92 for this vehicle at the area of the crash and in the same direction of travel and same lane as the crash event.

For more information regarding the data obtained from this testing, refer to the printed attachments marked as Run #1 through Run #5, each attachment being three pages.

Avoidability Analysis

Using the numbers obtained in the visibility study and braking study, I analyzed the data to determine the avoidability of the crash in this case based on a sober, alert, and attentive driver.

The first step in this process was to adjust the distance at which the pedestrian was visible in order to account for driver expectancy and statistical variability. This process was done according to the processes outlined in "Forensic Aspects of Driver Perception and Response," authored by Olson, Dewar, and Farber. The specific method used was the method set forth by Hyzer and Hyzer in Chapter 12 of that publication.

For this approach, I used the shortest distance obtained in the visibility study of 637.3 ft. This method was multiplied by 0.67 to adjust the value to the expected mean value for drivers in a controlled study with a larger population, which yielded a distance of 426.99 ft.



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This result was then multiplied by 0.5 to adjust for driver expectancy since the test driver was told that he would be looking for a pedestrian. This result was a distance of 213.5 ft. Then, to obtain the distance at which 85% of drivers should be able to see and identify the pedestrian clearly, the distance was reduced by 33% to a final distance of 143.04 ft.

I then had to determine an appropriate reaction time for the driver. The text suggests that the range to use in this case, where expectancy was already accounted for by the 0.5 multiplier above, could be between 0.6 and 1.25. I looked to the video for information regarding this specific driver to determine the best reaction time to use for this particular case.

I found the very first frame where the driver's eyes are open and focused above the level of the dashboard. I then advanced each frame until the image of the driver blurs, indicating that impact had occurred. I found this time to be 0.50 seconds.

Data provided by Uber indicated that the driver was able to grab the steering wheel and begin moving it at 0.02 seconds prior to impact. This matched the information viewed in the video since the driver's left turn begins at approximately the same time as impact. For these reasons, the most appropriate reaction time for the driver was determined to be 0.50 seconds.

The next step was to determine the vehicle's approach speed at the time that the driver would be reacting to the danger. I analyzed the EDR data to determine what speed the EDR was reporting at the time the vehicle was 143 feet from impact. The methodology and data were plotted on a graph attached to this report. It shows that the speed the vehicle was traveling when it was at the sight distance was 43.5 mph.

Using the 85th percentile sight distance of 143 feet, the driver's actual reaction time of 0.50 seconds, the vehicle's reported speed of 43.5 mph, and the average drag factor determined from skid testing of 0.92, I found that the driver in this case could have reacted and brought the vehicle to rest 42.61 feet prior to the pedestrian.

Even when the reaction time was changed to the maximum value suggested by the literature at 1.25 seconds, the crash was found to have not occurred. For these reasons, the crash was deemed entirely avoidable.

Speed Determination for Pedestrian

In an attempt to determine the speed at which the pedestrian was moving at the time she was struck, I analyzed the final frames of the dashcam footage. I found the first and last frames where her shoes were clearly visible. I copied these images into a drafting program and overlaid guidelines on the road lines and at ground level where her shoes were.

I then correlated the width of the vehicle's lane in each image at the location where the pedestrian was standing to the width of the lane measured by the total station equipment by Det. Haubold. This lane width was 13.65 feet.



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I then added a vertical line at the approximate location of the pedestrian's center of mass based on shoe location and, for the second image, posture. I then measured the relative distance her center of mass had moved across the lane width and found that the total distance moved between the frames was 4.67 feet.

In playing the video in the native file format, the timer would time out and stop counting before the video was done playing, so I counted how many frames I had to advance to get from the first frame to the second frame. I found that it took 13 clicks of the frame-advancing button to move from the first image to the second.

I then played several other portions of the video which had the timer counting upward. I clicked the frame-advancing button 13 times and found that the timer would advance between 0.97 and 1.02 seconds. For these reasons, I used a time passage of 1.0 seconds between the two images and calculated the pedestrian's speed at 4.67 feet per second, or 3.18 mph.

Using this information and knowing that the pedestrian was 43.5 ft from the west curb at the time she was struck, I calculated that the pedestrian had been in the roadway for approximately 9.3 seconds prior to impact.

I also measured the distance between the location the test pedestrian was placed for the first visibility study trial (which yielded a sight distance of 637.7 ft) and the area of impact. That distance was 21.79 ft. At the speed of 4.67 feet per second, the pedestrian crossed this distance in 4.66 seconds.

This was a significant finding since the calculation of avoidability was based on a time of perception far less than 4.66 seconds prior to impact. This means that the pedestrian would have been closer to the vehicle's own lane at the time of perception in the avoidability assessment.

For more information regarding the analyses explained in this supplemental report, refer to the related attachments prepared in this case. For further information regarding this case, refer to the original report authored by Det. Haubold and the related supplements that are thereto referred.

PENDING



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Follow Up Report #8

Assigned to: 11638 - HAUBOLD, THOMAS

Assigned on: Apr-03-2018 (Tue.) 930

Capacity: Lead Investigator

Completed: Yes

Approved on: 04/19/2018

Approved by: CARBAJAL, STEVEN A

Narrative Text #1

Document: DETECTIVE NARRATIVE

Related Date/Time: Apr-19-2018 (Thu.) 1332

RESPONDING PERSONNEL

Detective T. Haubold #11638
Lead Investigator, Vehicular Crimes Unit

Detective J. Guzman #20782
Investigator, Vehicular Crimes Unit

Detective K. Marsland #20595
Investigator, Vehicular Crimes Unit

Detective M. McCormick #22020
Investigator, Vehicular Crimes Unit

Detective J. Seal #19343
Investigator, Vehicular Crimes Unit

Detective W. Kelly #17225
Investigator, Next-of-kin notification, Vehicular Crimes Unit

Officer K. Loehr #22491
Drug Recognition Expert, Driver Interview, Traffic Bureau

Detective J. Barutha #19443
Investigator, Criminal Investigations Bureau

Sergeant S. Carbajal #11793
Scene Supervisor, Traffic Bureau

Lieutenant C. Coppersmith #17023
Initial Response Supervisor, Patrol Bureau

Sergeant D. Breen #11569
Initial Scene Supervisor, Patrol Bureau

Sergeant D. Hoobler #11604
Initial Scene Supervisor, Patrol Bureau



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Officer E. Santana #22953

Initial Response, Hospital follow-up/Scottsdale Osborn Medical Center, Patrol Bureau

Officer J. Scharrer #21782

Initial Response, Patrol Bureau

Officer J. Guajardo #23599

Initial Response, Patrol Bureau

Officer T. Allen #22110

Initial Response, Patrol Bureau

Forensic Technician J. Cynowa #15781

Scene Photographs, Forensic Services Unit

Notification and Arrival

On 3/18/18 at approximately 2246 hours, Sgt. S. Carbajal contacted me at my residence by telephone. I was informed that a fatal collision had occurred near the intersection of Mill Avenue and Curry Road, Tempe, and that my assistance was needed at the scene. I first responded to the Tempe Police Department to pick up the Vehicular Crimes Unit (VCU) vehicle and measuring equipment.

I arrived on scene at approximately 2340 hours and saw that the northbound #2 traffic lane on Mill Avenue was closed between the north end of the Mill Avenue bridge and the intersection at Curry Road by patrol officers. I saw a red and black adult size mountain bike lying in the roadway near the east side curb on Mill Avenue approximately 300 feet south of Curry Road. Approximately 30 feet south of the bike, clothing from the pedestrian and medical waste was observed in the northbound #2 lane.

Initial briefing from Sgt. Hoobler

Upon arrival, I learned from Sgt. Hoobler, that at approximately 2200 hours, the Tempe Police Department received reports of a collision at that location. Sgt. Hoobler stated that Rafael Vasquez was the vehicle operator of a 2017 Volvo XC90 displaying Arizona license plate [REDACTED] which was northbound on Mill Avenue when the collision occurred. The Volvo XC90 is owned by Uber Technologies Inc. and was operating in autonomous mode when the collision occurred.

Sgt. Hoobler said that the pedestrian, later identified as Elaine Marie Herzberg, was crossing Mill Avenue but was not sure if she was crossing westbound or eastbound. Herzberg had a bicycle with her, and it was unknown if she was riding the bike or pushing it across the roadway when the collision occurred. Herzberg was transported to Scottsdale Osborn Medical Center and was pronounced deceased at approximately 2230 hours.

A supervisor from Uber, who had responded to the collision scene, advised that the Volvo XC90 was equipped with a dash camera which worked independently from Uber's onboard computer systems and programs.

Scene assignments



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I was assigned as the primary investigator. Officer K. Loehr was assigned to contact Rafael Vasquez and check for signs and symptoms of impairment. Officer E. Santana was assigned hospital follow up. Initial responding officers briefly contacted the driver of the Volvo XC90, checked for witnesses, and provided scene security.

Involved parties and vehicles

Pedestrian: Elaine Marie Herzberg (DOB: [REDACTED])
Residence: [REDACTED]

Bicycle: Red/black 21 speed Spinfit700C Hyper Mountain Bike, Serial #TK17C31876
Bicycle Owner: Elaine Marie Herzberg

Vehicle Operator: Rafael Vasquez (DOB: [REDACTED])
Residence: [REDACTED]
Driver's license status: [REDACTED]

Vehicle: Gray 2017 Volvo XC90 T8 four door Sport Utility Vehicle, Arizona license # [REDACTED] VIN: [REDACTED]
Vehicle Owner: [REDACTED]

Collision Scene

Roadway / Area

The collision occurred on Mill Avenue approximately 400 feet south of the intersection with Washington Street/ Curry Road, Tempe. This area is in the northern part of Tempe, approximately 250 feet north of Arizona SR202 freeway which crosses over Mill Avenue and approximately 2 miles east of Arizona SR143 freeway. The roadway at the area of the collision is bordered on the northwest by the Marquee Theater (a music venue) and on the north east by a City of Tempe desert park area. The Tempe Town Lake is located south of the collision site.

Mill Avenue is a major north/south arterial roadway in the City of Tempe. As Mill Avenue crosses over the Tempe Town Lake, there are two separate bridges. One bridge is dedicated for northbound traffic with two traffic lanes and has a posted speed limit of 35 miles per hour. The second bridge is dedicated for southbound traffic with two traffic lanes and has a posted speed limit of 35 miles per hour.

The roadway at the collision site is comprised of two northbound through traffic lanes and a dedicated bike lane. Just south of the collision site the roadway begins to widen on the west side in preparation for two dedicated left turn lanes to go westbound on Washington Avenue. Just north of the collision site, the roadway begins to widen on the east side in preparation for a dedicated right turn lane to go eastbound on Curry Road. The posted speed limit on Mill Avenue where the collision occurred is 45 miles per hour.

Mill Avenue in this area is constructed of bituminous asphalt and was in good repair. Street lights were observed at regular intervals on the roadway illuminating the roadway and surrounding area. On northbound Mill Avenue between the Loop 202 Freeway and Washington Street/Curry Road, there are a total of six street lights. Four on the east side of the road and two on the west side of the road. All four street lights on the east side of Mill Avenue were illuminated at the time of this investigation and appeared to be functioning properly. The street



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light closest to Washington Street/Curry Road on the west side of the roadway was not illuminated at the time of this investigation. This street light is approximately 162 feet north of the area of impact. The street light closest to the Loop 202 Freeway on the west side of the roadway was illuminated at the time of this investigation and appeared to be functioning properly. This street light is approximately 51 feet south of the area of impact.

Scene and Roadway Evidence

Upon reviewing the scene, I noted that the collision's area of impact was in the northbound #2 lane (curb lane) near the area where the bike lane's white solid painted line stops and turns into a white dashed painted line. The roadway near the area of impact was well lit with little need for supplemental lighting during the investigation.

The roadway near the area of impact is generally flat. The approach on Mill Avenue across the bridge is straight. After leaving the bridge, there is a slight curve to the left as you cross under the Loop 202 freeway, then the roadway straightens out again for the final approach to the area of impact.

Walking the scene northbound towards the area of impact, I did not locate any skid marks or antilock brake marks from the Volvo XC90 that would indicate dynamic braking prior to or after impact. I was not able to locate any tire scuff marks from the bicycle or any scuff marks from the pedestrian's shoes to indicate the point of impact.

As I continued northbound through the scene, I observed the following points of evidence:

Evidence #1 was a light color scratch mark on the pavement from the bicycle sliding on its side in the bike lane. This mark was approximately even with the end of the solid white painted line of the bicycle lane and approximately 4.5 feet west of the east side curb. This mark was approximately 14 feet in length and was in line with the bicycle at final rest.

Evidence #2 was a light color mark that was approximately 7 feet west of the first scratch mark (Evidence #1) in the northbound #2 traffic lane. When I was measuring this mark, I noticed it continued past the final resting point of the pedestrian and angled into the dedicated right turn lane. This mark was identified as not being related to this collision.

Evidence #3 was a white plastic handle from a thermos found on the east sidewalk approximately 7 feet east and 8 feet north of where evidence #1 began.

Evidence #4 was a light color scratch mark from the bicycle sliding on its side. It was located in the bike lane approximately 6 feet north of evidence #1. This mark was approximately 25 feet long and was in line with the bicycle at final rest.

Evidence #5 was a blue fabric color mark approximately 6 feet long and was from the blue jeans worn by the pedestrian when she landed in the roadway. It began approximately 17 feet after evidence #4 started and was 9 feet west of the east curb.

Evidence #6 was a spot of blood approximately the size of a quarter found on the asphalt where the pedestrian came to rest after the collision. It was located approximately 8 feet north of evidence #5 and was 11 feet west of the east side curb. There was also medical waste surrounding the area where the blood was found.



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Evidence #7 was a white plastic lid from a thermos which was on the east sidewalk and approximately 30 feet north of evidence #3.

Evidence #8 was the bicycle that was being pushed across the street by the pedestrian prior to the collision. It was located approximately 30 feet north of evidence #6 and approximately 5 feet west of the east sidewalk.

Evidence #9 was a blue thermos and was found in the grass area approximately 14 feet east of the bicycle.

Evidence #10 was the Uber/Volvo XC90 vehicle. It was located at its controlled point of rest, in line with the dedicated right turn lane and approximately 66 feet north of the bicycle.

Evidence #11 was the right shoe belonging to the pedestrian. It was found in the northbound #1 traffic lane approximately 19 feet west and 5 feet north of where the pedestrian came to rest. See attached diagrams for further information.

Evidence items 1 through 11 were numbered and photographed on scene.

Seized items

The following vehicles were seized as evidence and impounded at 1875 E. Apache Boulevard., Tempe, and police records was notified of the impoundment.

- 2017 gray Volvo XC90 [REDACTED]
- Bicycle, red and black 21 speed Spinfit 700C Hyper Mountain Bike, Serial #TK17C31876

Safekeeping

- Green bag with miscellaneous personal belongings - Elaine Herzberg
- Black bag with miscellaneous personal belongings - Elaine Herzberg

These items were released to Elaine Herzberg's mother, Sharon Daly, on 3/28/18.

Fire Department Response

Fire Department incident number: 18103021

The following units from the Tempe Fire Department responded to the scene:

Engine 276

Medic 276 (Transported Herzberg to Scottsdale Osborn Hospital for treatment)

Weather conditions



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The following weather conditions were recorded at the Phoenix Sky Harbor Airport on 3/18/18 at 2151 hours, on the evening of the collision: Mostly cloudy skies, 59.0 degrees (F), calm winds, 10-mile visibility, 21% humidity, and a dew point of 23 degrees (F).

Scene Diagramming

The scene was electronically measured using a Leica Geosystems TS16i total station. The measurements were later downloaded into the IMS Map 360 drafting program where a scene diagram was created. For additional information regarding the scene diagram, please refer to the attached diagram and measurement sheet.

Driver's initial interview

Officer Scharrer

Upon arrival, Officer Scharrer contacted Rafael Vasquez. Vasquez told Officer Scharrer that she thought she hit a person while driving and the vehicle was being operated in "self-driving mode". Vasquez said she was not controlling the vehicle, because it was automatically driving, and she did not realize she hit someone. Vasquez said after she stopped, she realized she hit someone. See Officer Scharrer's supplement for further information.

Officer Guajardo

Officer Guajardo also contacted Rafael Vasquez, who was sitting in the driver seat of the Uber/Volvo vehicle shortly after he arrived. Vasquez told Officer Guajardo that the Volvo was "self-driving" from the Mill Avenue bridge and was in the lane closest to the bike lane. Vasquez said as the vehicle approached the right turn only lane, the vehicle hit the victim who was on the bike. Vasquez said she did not see the victim prior to the collision. Vasquez said the vehicle would have been going the speed limit as it is programmed to go. See Officer Guajardo's supplement for further information.

Officer Loehr

Officer Loehr was assigned to interview Vasquez and check for signs and symptoms of impairment. During that interview, Vasquez stated that she had approximately 6 to 7 hours of sleep the night before and had woken up between 11:00 am and 11:30 am. Vasquez drove to Tucson to visit her father and drove back home prior to starting her work shift.

Vasquez told Officer Loehr she arrived at work at approximately 6:30 pm and "hit the street" between 7:45 pm and 8:00 pm. Vasquez said the Uber vehicle was driving in autonomous mode at the time of the collision. [REDACTED]

When asked where her hands were, Vasquez stated that her hands were "hovering" over the steering wheel. When asked what she meant, Vasquez held her hands in front of her and said to imagine a steering wheel directly in front of her. Her hands were at the imaginary steering wheel's 5-o'clock and 7-o'clock positions with [REDACTED]



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Vasquez said prior to the collision, the vehicle had successfully passed its diagnostic check and was operating as expected. Vasquez was on the third lap of the designated route, and the vehicle was in autonomous mode. Vasquez was traveling northbound in the curb lane on Mill Avenue, just south of where a dedicated right lane begins for traffic to turn eastbound on Curry Road. Vasquez stated that it was at this point that her vehicle struck a bicyclist (Elaine Herzberg). Vasquez said the vehicle was traveling straight and was not making a lane change at the time of impact.

Vasquez said she slammed on the vehicle brakes stopping the vehicle immediately after the vehicle struck Herzberg. [REDACTED]

[REDACTED] Vasquez said she immediately attempted to call 911. Vasquez said Herzberg "came out of nowhere" and she did not see Herzberg prior to impact. She also said that Herzberg was perpendicular to the roadway as if she was crossing the road mid-block and she was not in a crosswalk. Vasquez was not able to articulate what direction Herzberg was headed at the time of the collision. See Officer Loehr's supplement for additional details.

Uber Law Enforcement Liaison

On 3/19/18 at approximately 0118 hours, I was contacted by Mark Jones, the Law Enforcement Liaison for Uber. Jones informed me that he had been in contact with Uber Supervisor, Matthew Gore, and that authorization had been given for police to view that dash camera video footage and to record that video footage. Jones provided me with a website address where I could communicate directly with Uber to obtain information related to my investigation, and he also advised that I could upload search warrants and subpoenas directly into this website. Jones stated that he would work directly with me and assist in obtaining information from Uber.

Dash Camera Video

On 3/19/18 at approximately 0037 hours, Det. Barutha was contacted and responded to assist with this investigation. Det. Barutha obtained a search warrant to seize the Secure Digital (SD) memory card containing video associated with the dash camera located in the Volvo XC90. Det. Barutha was able to download all the recorded videos and data on the SD card. Each recorded video is approximately three minutes in length. The first video shows the Volvo XC90 and the vehicle operator, Vasquez, leaving the Uber [REDACTED]. The videos show the route traveled by the Volvo XC90, the impact with Herzberg, and immediately after impact. There are three camera views in each recorded video segment. One view is out the front windshield of the vehicle, one view is of the vehicle operator and the third view is facing behind the vehicle.

Det. Barutha was able to view the videos using the software from the video recorder's manufacturer called PC Manager. With this program, he was able to export the video file and convert it to an .AVI file format. The same three camera views are seen when played in the .AVI file format. Det. Barutha provided me with a copy of the videos in the .AVI format for analysis purposes. Two representatives from Uber were also present during the download of the SD card, and they were provided with a copy of the downloaded information. See Det. Barutha's supplement for further details.

NHTSA and NTSB Contact



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On 3/19/18 at approximately 0738 hours, Sgt. Carbajal was contacted by the National Highway Traffic Safety Administration (NHTSA) and advised that a team from NHTSA would be arriving to conduct an independent investigation of this collision. At approximately 0825 hours, I was contacted by the National Transportation Safety Board (NTSB) and advised that a team from NTSB would also be arriving to conduct an independent investigation of this collision.

Search Warrant #2018-002912

On 3/19/18, Det. Kelly obtained a search warrant to seize the cell phones in Rafael Vasquez's possession at the time of the collision and to digitally extract all the content from the cell phones. Det. Kelly attempted to contact Vasquez at the address listed on her driver's license in Phoenix but was met with negative results.

I contacted Uber Liaison Jones and requested all addresses and phone numbers Uber had for Vasquez. I was provided with the same address in Phoenix Det. Kelly tried and an address in Tucson. Jones also provided me with two phone numbers for Vasquez. This information was provided to Det. Kelly and Det. Perkett, who was assisting in locating Vasquez. Vasquez was later located in Tucson by Det. Ramos and Det. Moriarty.

Vasquez's personal cell phone and her assigned work cell phone from Uber were seized as evidence. See their supplements for further information.

Informational Briefing

On 3/20/18 at approximately 1000 hours, I attended a briefing that included members from the Tempe Police Department's Command Staff, representatives from Uber, NHTSA, and the NTSB. The purpose of this meeting was to provide all parties involved with a timeline of events beginning at notification of the collision. Arrangements were also made to allow access to the Volvo XC90 for the below listed representatives from NHTSA, the NTSB, and Uber.

NHTSA personnel

Harold Herrera
Bill Collins
James Perry

NTSB personnel

Jennifer Morrison
David
Pereira
Jane Foster
Rafael Marshall

Uber personnel

Matthew Gore
Jacob Driggs
Daniel Tascione
Noah Zych
Brandon Basso
Stephen McHenry



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Search warrant #2018-002956

Det. McCormick obtained a search warrant on 3/20/19 to image the event and crash data from the Volvo XC90. Det. Strohmeyer from the Scottsdale Police Department assisted Det. McCormick with the image of the Event Data Recorder (EDR) data from the airbag control module. A digital copy of the data was impounded into evidence. See Det. McCormick's and Det. Strohmeyer's supplements for additional information.

Det. McCormick provided me a copy of the data reported by the Volvo's on-board airbag control module (Event Data Recorder/EDR). The data shows this was a non-deployment event lasting longer than 300 milliseconds. The data provides pre-crash data every 0.5 seconds and gives the vehicle's indicated speed, accelerator pedal percent, if the service brake is on or off, the steering input percent, if ABS is on or off, and the stability control status. See the attached copy of the EDR data for additional information.

Volvo XC90 Access

Immediately following the download of the EDR data, access was provided to the Volvo XC90 to the above listed members of NHTSA, NTSB, and Uber. Members from NHTSA and the NTSB were allowed to photograph and document any evidence they needed. I also removed Herzberg's bicycle from evidence and allowed it to be photographed during this time. The bicycle was then placed back into evidence.

The above listed members from Uber were allowed access to the vehicle so they could complete a data off load from their computer systems installed in the vehicle. Det. Guzman and/or Det. McCormick were present during the time access was allowed to the Volvo and the entire time was recorder on their body worn cameras.

The information downloaded by Uber was presented in an informational briefing on 3/21/18 which was titled K145 Tempe Incident - Preliminary Uber Data Review. A copy of the information was obtained through Search Warrant #2018-003045 and Search Warrant #2018-003228.

Order for Disclosure of Medical Records #18-0003

Det. Seal petitioned the Tempe Municipal Court and obtained an Order for Disclosure of the medical records documenting the injuries of Elaine Herzberg from Scottsdale Osborn Medical Center. These records were obtained and are attached to this report.

Order for Disclosure of Employer Personnel and Training Records #18-0004

Det. Seal petitioned the Tempe Municipal Court and obtained an Order for Disclosure of any employer personnel and training files pertaining to the employment of Rafael Vasquez. The order also included all documents related to company policies, procedures, and training requirements pertaining to drivers of autonomous vehicles.

Video Analysis

Det. Marsland was provided with a digital copy of the videos obtained from the vehicle dash camera's SD card, and he conducted an analysis of those videos. Det. Marsland informed me that the video views were not precisely synchronized when played through the original program. He said each view appears to play at the appropriate speed, but the timestamps in the frames do not match, and the correlation between views can vary



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with each playing of the video. Det. Marsland also found the videos were not synchronized when played in the .AVI format.

Det. Marsland used the video to triangulate the point of impact. He plotted this location using aerial photography from the Maricopa County Assessor's website. This point was transferred to the scaled diagram and provided the location of the center of the Volvo's front bumper when it collided with Herzberg. Det. Marsland also went to the collision scene and triangulated the point of impact. He found only a 3 inch difference between the points of impact he calculated using both methods.

Det. Marsland told me that while reviewing the videos, he noticed that Vasquez kept taking her eyes off the road and would look down and to her right. Det. Marsland said the video does not show the area where Vasquez kept looking and it was unknown why she kept looking down in that area. Det. Marsland measured the amount of time Vasquez's eyes were averted from the roadway right before impact and found it was 5.3 seconds. When Vasquez looks back up at the roadway, the vehicle is 0.50 seconds from impact. This video segment ends moments after the vehicle strikes Herzberg.

Det. Marsland conducted an analysis of Vasquez's behavior from the time Vasquez left the garage at the Uber facility, to the time when the collision occurred. Det. Marsland said that Vasquez appeared to be looking down in the area of her right knee/center console with an unusually high frequency for a normal driver. He also noticed that Vasquez had apparent facial reactions to whatever item had her attention. Det. Marsland logged the times Vasquez looked down to compare the times she was alert and looking over the dash at the roadway. He used nine video clips leading up to the point of impact for this comparison.

The total distance the vehicle traveled over the nine video segments was 62,345 feet or 11.8 miles and the average velocity of the vehicle while it was in motion was 47.64 ft/s or 32.5 miles per hour. During the nine video segments, Vasquez looks down 204 times with nearly all of them having the same eye placement at the lower center console near her right knee. 166 of those times looking down occurred while the vehicle was in motion. The vehicle was in motion for 21 minutes and 48 seconds. Of that time, the total amount of time Vasquez's eyes were averted from the roadway was 6 minutes 47.2 seconds. Using the average moving velocity of 47.64 ft/s, Vasquez's eyes were off the roadway for 3.67 miles of the 11.8 total miles traveled. See Det. Marsland's supplements and the six-page attachment he titled "Breakdown of Driver's Eye Movement" for additional information.

Speed Analysis

After the measurements were downloaded into the IMS Map 360 drafting program and a scene diagram was created, I was able to measure and calculate the speeds the pedestrian and the bicycle obtained from impact. Using the point of impact calculated by Det. Marsland, the pedestrian came to rest 74.92 feet after impact. Using the Searle Minimum Throw equation with a 10 degree take off angle, this calculated to a speed of 35 miles per hour. Using the Searle Minimum and Maximum equations, this calculated to a speed of 32 to 39 miles per hour. The bicycle came to rest 105.25 feet after impact. Using a minimum speed loss equation with an adjusted drag factor, this calculated to a speed of 39 miles per hour. These calculated speeds were consistent with the data reported by the Volvo's on-board airbag control module.

Information Briefing from Uber



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On 3/21/18 at approximately 1500 hours, I attended an information briefing at the Uber facility located in Tempe. Representatives from Uber presented their preliminary review of the data they downloaded from the Uber/Volvo on 3/20/18. The title of this presentation was K145 Tempe Incident - Preliminary Uber Data Review. Members previously listed from NHTSA and the NTSB were also present at this briefing.

The information in the presentation showed that the Uber computer system did recognize Herzberg prior to impact. The computer system also [REDACTED]

[REDACTED] because this is the vehicle operator's responsibility. The data registered that Vasquez took the vehicle out of autonomous driving mode at about the same time the collision occurred.

Video from the camera system located on top of the vehicle captured moments prior to the collision, the collision, and the time period after the collision.

The vehicle involved in the crash was equipped by Volvo with City Safety Technology that would allow the vehicle to detect the hazard and initiate an avoidance response. That technology was overridden by Uber. As such, the vehicle could not initiate an avoidance response as designed by Volvo.

Search Warrant #2018-003045 and Search Warrant #2018-003228

On 3/21/18, Det. Marsland obtained a search warrant get Rafael Vasquez's testing and qualification records, records regarding the performance specifications of the Volvo XC90 as outfitted by Uber, the digital video files captured by the on-board self-driving system upfitted by Uber, and the digital document file titled "K145 Tempe Incident - Preliminary Uber Data Review". This search warrant was served at the Uber facility at [REDACTED]

[REDACTED] The Uber company requested additional time to put the files together and there were discussions about confidentiality regarding the requested documents. The decision was made to return the search warrant without seizing any items and to obtain a new search warrant for the same documents to allow Uber more time to come to a legal agreement.

Det. Marsland later obtained the second search warrant for the same four documents that were in the previous listed warrant. This warrant was provided to the Tempe PD Legal Advisor, B. Amato for review prior to delivering to Uber. This warrant was served to Uber and the requested documents were obtained.

After reading through the documents obtained from Uber, I found that the vehicle operator's initial training covers their responsibilities while operating the vehicles in both manual and in self-driving mode. They learn how to take manual control of the vehicle from the self-driving mode and when driver interventions should take place. There is also an emphasis placed on safety throughout the training and certification process. [REDACTED]

When the Uber vehicle is in self-driving mode, vehicle operators are taught specific [REDACTED]

[REDACTED] The purpose of the [REDACTED] the vehicle operator is in the proper position to react as quickly as possible [REDACTED] They are also taught foot positioning referred to as hovering/shadowing pedals. They are taught that [REDACTED] and the accelerator hover are critical for ensuring safety and rider/passenger comfort.

Safety is dependent on the vehicle operator's capability to manually control the vehicle to mitigate hazards while the vehicle is in self-driving mode. During the current development phase, vehicle operators are relied upon to perform evasive maneuvers. During the vehicle operator training and certification, the trainer watches for



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[REDACTED]

Specific constraint limits for vehicle steering, braking and acceleration ensure controllability of the self-driving system during vehicle operator activities. These limits allow the vehicle operator an appropriate amount of time to react and perform an evasive or overpowering maneuver, if needed. I was not able to find anywhere in the literature that the self-driving systems alerts the vehicle operator to potential hazards or when they should take manual control of the vehicle to perform an evasive maneuver.

Video surveillance

Det. Guzman obtained security video footage from the Marquee Theatre located at 740 N. Mill Ave, Tempe. The video footage was from the Marquee Theatre camera #2 from 3/18/18, between approximately 2144 hours to 2150 hours. Det. Guzman was not able to identify the path of travel taken by Herzberg prior to the collision. He said the quality of the video footage gets poorer the farther the objects are from the camera. He said objects in the immediate area of the camera are fairly clear and identifiable however, objects in the distance are grey and blurred out. Even when the collision takes place, he could not identify the victim in the video. See his supplement for additional information.

Autopsy report - Elaine Herzberg

Maricopa County Office of the Medical Examiner, Case 2018-2500

At the time of this report, the final autopsy report has not yet been completed by the medical examiner. However, the manner and immediate cause of death of Elaine Herzberg was available for release.

Manner: Accident

Immediate cause of death: Multiple blunt force injuries

Search Warrant #2018-003079, #2018-003080, and #2018-003081

On 3/22/18, Det. McCormick obtained search warrants for the video viewing history of the cell phones collected as evidence from Vasquez. The warrants were served to YouTube/Google, Netflix and Hulu for the time period of 3/18/18 between 2100 hours and 2300 hours. Netflix reported that there was no activity during the specified time period on either phone. As of 4/18/18, we are still waiting for a reply from YouTube/Google and Hulu. See Det. McCormick's supplement for additional information.

Vehicle Inspections

Det. Seal and Det. McCormick completed a vehicle inspection of the Volvo. See the Vehicle Inspection Form and their supplement for further details.

Visibility Study and Brake Efficiency Study (Search Warrant #2018-003020)



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On 3/21/18, Det. McCormick obtained search warrant #2018-003020 allowing the Tempe Police Department to move the 2017 Volvo XC90 from impound and to use that vehicle for a visibility study and a brake efficiency study in the area where the collision occurred.

On 3/22/18 at approximately 1855 hours, Det. McCormick and I entered the vehicle and installed a Vericom VC-4000 (SN - VC410110602) on the inside of the front windshield. Video of the outside of the vehicle was taken to show the condition of the vehicle prior to the visibility study and the brake efficiency study.

On 3/22/18 at 2030 hours, I attended a briefing that discussed how the visibility and brake performance tests were going to be conducted along with safety procedures. Present at this meeting were the following people:

- Commander Pooley
- Sergeant Carbajal
- Detective Marsland
- Detective Guzman
- Detective McCormick
- Detective Seal
- Officer Vela
- Arron Harder, Maricopa County Attorney's Office (MCAO)
- Tiffany Brady, MCAO
- Kayla Halloway MCAO
- Harold Herrera, NHTSA
- James Perry, NHTSA
- Rafael Marshall, NTSB
- David Pereira, NTSB
- Ken Harmon, Institute of Police Technology & Management (IPTM)

After the briefing concluded, I removed the bicycle that was involved in the collision from evidence and secured in the bed of a Tempe Police vehicle. This vehicle was then turned over to Det. McCormick. Det. McCormick was tasked with transporting the bicycle to the collision scene and escorting a tow truck that would transport the Volvo XC90 to the collision scene.

Northbound Mill Avenue was closed to vehicle and pedestrian traffic from Rio Salado Parkway to Washington St/Curry Road. Everyone that attended the briefing parked near the middle of the northbound Mill Avenue bridge in the #1 traffic lane. The tow truck transporting the Volvo XC90 parked behind all the vehicles but was in the #2 traffic lane.

Ken Harmon, who instructs courses related to pedestrian/vehicle collision reconstruction for the Institute of Police Technology and Management and an expert in the field, agreed to assist the Tempe Police Department with the visibility study. Det. Seal is 5 feet 7 inches tall and the same height as Vasquez, so he was tasked with driving the Volvo during the visibility study. Officer Vela is 5 feet 2 inches tall and the same height as Herzberg, and she was tasked with standing at different locations during the visibility study with the bicycle.



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To avoid influencing the outcome of the visibility study, Ken Harmon, who had no previous involvement with this investigation, provided the instructions to Det. Seal. Det. Seal was told to forget everything he had seen and heard about the collision and that he will not see the exact same things the driver did at the time the collision occurred. Det. Seal was instructed to drive the Volvo northbound across the Mill Avenue bridge at 5 miles per hour towards the area where the collision occurred. He was to stop immediately after he was able to see a pedestrian. He was then to flash the vehicle headlights and to radio to us that he was stopped and was able to see the pedestrian. He was to stay at that position until distance readings could be obtained. After distance readings were obtained, Det. Seal was to turn the vehicle around and drive back to the area where the tow truck was located. Once the next test was ready to begin, he was to turn the vehicle around and begin driving again northbound across the Mill Avenue bridge towards the scene of the collision. The instructions provided to Det. Seal were recorded with my body worn camera and later uploaded to Evidence.com.

After the visibility instructions were given to Det. Seal, I then instructed him how to operate the Volvo X90. These instructions were also recorded with my body worn camera and later uploaded to Evidence.com

Det. Marsland provided instructions to Officer Vela who, was acting as our pedestrian. For each of the visibility tests, Officer Vela stood where directed and had the bicycle on her left side perpendicular to the roadway similar to how Herzberg was positioned when the collision occurred. We placed Officer Vela in three separate locations and tested how visible she was at each location. Officer Vela was dressed in dark clothing as Herzberg was the night of the collision. See Det. Marsland's supplement for information regarding the locations Officer Vela was placed at during the visibility study and the distanced recorded.

Once the visibility tests were completed, Det. Marsland and I tested the braking performance of the Volvo XC90 involved in this crash. I drove the vehicle during the testing, and Det. Marsland recorded the readings from the Vericom for each test. A total of 5 test runs were complete to test the braking capabilities of the vehicle. In each test, the vehicle was driven northbound in the #2 traffic lane on Mill Avenue at approximately 40 miles per hour. I fully applied the brakes when the vehicle was nearing the area of impact and was on the asphalt portion of the roadway. Full braking was applied until the vehicle came to a complete stop.

The results of these test were also recorded with the Vericom, and they were later printed out and attached to Det. Marsland's supplement. The five-average f-values obtained were 0.932, 0.911, 0.926, 0.918, and 0.914.

These f-values were averaged to a drag factor of 0.92 for this vehicle at the area of the crash, in the same direction of travel, and the same lane as the crash event. For additional information regarding the data obtained from the braking performance tests, refer to the attachments to Det. Marsland's supplement marked as Run #1 through #5.

Once the testing was complete, the Volvo XC90 was loaded back onto the tow truck and transported back to the Tempe Police Department Property and Evidence Facility. Det. McCormick transported the bicycle used in the testing back to the same facility. Both the vehicle and the bicycle were placed back into impound as evidence. Det. McCormick then took pictures and video to document the condition of the vehicle after testing. See his supplement for further information.

Weather conditions for visibility study

The following weather conditions were recorded at the Phoenix Sky Harbor Airport on 3/22/18 at 2151 hours on the evening of the testing: Overcast skies, 77.0 degrees (F), west southwest wind at 8.1 MPH, 10-mile visibility,



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21% humidity, and a dew point of 34 degrees (F). Which were consistent with the conditions at the time of the crash.

Additional Access to Vehicle

On 3/23/18, representatives from Volvo and Uber were allowed access to the Volvo XC90, so that data related to this crash that was recorded by Volvo could be downloaded. As of 4/18/18, a copy of the downloaded data has not been obtained. Det. Marsland and Det. Guzman were with the below listed team members while they had access to the vehicle. Det. Guzman also took photos of the vehicle to document the condition it was left in.

- Kate Wolf, Uber
- Mark Nadeau, DLA Piper Law Firm
- Vincent D'Auria Volvo Cars USA
- Jason Guidi, Volvo Cars USA
- Steve Fenton, Kineticcorp (Uber)
- Peter Andreasson, Volvo Cars Sweden
- Jan Ivarsson, Volvo Cars Sweden
- John-Fredric Gronvall, Volvo Cars Sweden
- Henrik Wallin, Volvo Cars Sweden

Det. Guzman also allowed David Pereira with NTSB to access the Volvo XC90, so additional photos could be taken of the vehicle.

Crash Avoidability Analysis

Det. Marsland conducted an analysis to determine if the crash was avoidable using the information learned from the visibility study and braking study. The shortest distance obtained in the visibility study to see the pedestrian, was 637.3 feet. This was adjusted to find the distance at which 85% of drivers should be able to see and identify the pedestrian clearly. 143.04 feet is the adjusted distance at which a driver who is sober, alert, and attentive should be able to detect the pedestrian in this crash.

Det. Marsland determined that Vasquez's actual reaction time for this collision was 0.50 seconds. Det. Marsland determined that the speed of the Volvo XC90 was 43.5 miles per hour when it was 143.04 feet prior to impact.

Using the 85th percentile sight distance of 143 feet, the drivers' actual reaction time of 0.50 seconds, the vehicle's reported speed of 43.5 miles per hour, and the average drag factor from testing of 0.92, the driver in this case could have reacted and brought the vehicle to a stop 42.61 feet prior to the pedestrian. Det. Marsland then changed the reaction time of 0.50 seconds to the maximum suggested value from literature to 1.25 seconds and calculated that the crash would still not have occurred. See his report for further information.

Findings

On 3/18/18 at approximately 2200 hours, Elaine Marie Herzberg was walking westbound across Mill Avenue, south of the intersection with Washington Street/Curry Road, and was not in a marked or unmarked crosswalk. As Herzberg attempted to cross the northbound #2 traffic lane, she was pushing her bicycle and was struck by a vehicle. The vehicle, a gray 2017 Volvo XC90 T8 was registered to Uber and was operating in autonomous



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driving mode heading northbound in the #2 lane. Immediately after the collision, Herzberg was transported to the Scottsdale Osborn Medical Center for emergency medical treatment. At approximately 2230 Hours, Herzberg was pronounced deceased because of the injuries she sustained in the collision.

Rafael Vasquez was the operator of the Volvo at the time of the collision. Vasquez was responsible for monitoring the vehicle and roadway conditions along its designated route while the vehicle was in autonomous driving mode. In the event of an emergency situation, Vasquez was supposed to take manual control of the vehicle and take evasive action to avoid collisions and/or other potential emergency situations. [REDACTED]

The Uber/Volvo XC90 vehicle was equipped with a dash camera, and nine recorded video segments from the dash camera were examined leading up to the point of impact. The total distance the vehicle traveled over the nine video segments was 11.8 miles. The average velocity of the vehicle while it was in motion during the nine video segments was 47.64 ft/s or 32.5 miles per hour.

During the nine video segments, Vasquez looked down 204 times with nearly all of them having the same eye placement at the lower center console near the area of her right knee. The vehicle was in motion for 21 minutes and 48 seconds, and Vasquez's eyes were averted from the roadway for 6 minutes 47.2 seconds. Using the average moving velocity of 47.64 ft/s, Vasquez's eyes were off the roadway for 3.67 miles of the 11.8 total miles traveled.

A visibility study and a brake efficiency study were conducted using the Volvo XC90 involved in the crash. The shortest distance obtained in the visibility study to see the pedestrian was 637.3 feet. The distance was adjusted to obtain the distance at which 85% of drivers should be able to see and identify the pedestrian clearly. The final adjusted distance was calculated to be 143.04 feet.

Per the dash camera video, Vasquez looked up .50 seconds prior to the crash. Therefore, this time was used as her reaction time for the crash. The vehicles approach speed at the time Vasquez could have reacted to the pedestrian was calculated to be 43.5 miles per hour at 143 feet before impact. Using this distance of 143 feet, the driver's actual reaction time of 0.50 seconds, the vehicle's reported speed of 43.5 miles per hour, and the average drag factor from testing of 0.92, the driver in this case could have reacted and brought the vehicle to a stop, 42.61 feet before impact if she would have been paying attention to the roadway conditions. Even when changing the reaction time from 0.50 seconds to the maximum suggested value from literature, 1.25 seconds, this crash would not have occurred if Vasquez would have been monitoring the vehicle and roadway conditions and was not distracted.

Based on this investigation, the following factors lead to the crash that resulted in the death of Elaine Herzberg:

1. Herzberg unlawfully crossing the road at a location other than a marked crosswalk.
2. Vasquez's inattention to the roadway conditions while operating the vehicle.
3. Vasquez was distracted and looking down for 31% of the 21 minutes and 48 seconds prior to the collision.
4. Vasquez was distracted and looking down for 5.2 seconds of the 5.7 seconds prior to impact.
5. Failure on the part of Vasquez to take control of the vehicle and avoid the crash.
6. Vasquez's disregard for assigned job function to intervene in a hazardous situation.



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This case is being submitted to the Maricopa County Attorney's Office for review for charges against Rafael Vasquez

Pending.



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Follow Up Report #9

Assigned to: 20782 - GUZMAN, JAIME

Assigned on: Apr-03-2018 (Tue.) 1240

Capacity: Supplemental

Completed: Yes

Approved on: 04/03/2018

Approved by: CARBAJAL, STEVEN A

Narrative Text #1

Document: DETECTIVE NARRATIVE

Related Date/Time: Apr-03-2018 (Tue.)

On 03/20/18 at approximately 1055 hours, I was requested by Sgt. Carbajal to join him in a meeting at the Tempe Police Department, Apache Substation Community Room located at 1855 E Apache Boulevard in Tempe, AZ. Sgt. Carbajal informed me that I was to be a liaison between the Tempe Police Department and all the involved parties. The following members of the Tempe Police Department were present at this meeting:

- Chief Moir
- Assistant Chief Carbajal
- Assistant Chief Humble
- Assistant Chief Buren
- Commander Glover
- Commander Pooley
- Attorney Bill Amato
- Sgt. Carbajal
- Sgt. Elcock
- Det. Haubold
- Det. Duran

Also in attendance were several members of the National Transportation Safety Board (NTSB) and the National Highway Traffic Safety Administration (NHTSA).

Sgt. Carbajal commenced the meeting with a brief time-line of the incident as follows:

Day 1 - 03/18/18

- 2223 hours First call from Patrol
- 2230 hours Time of death
- 2242 hours Traffic Unit called out
- 2319 hours Traffic Unit onscene
- 2351 hours PD / Legal Notification

Day 2 - 03/19/18

- 0037 hours Forensic Unit called out
- 0118 hours First call received from Uber LE
- 0139 hours First media inquiry
- 0405 hours Apache Substation - Warrant for SD video/impound vehicle
- 0738 hours NHTSA called
- 0825 hours NTSB called
- 0900 hours Executive Command Team briefing
- 1000 hours PIO meeting



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- 1445 hours Warrant for Vasquez's phone obtained
- 1555 hours Det. Kelly ATL Vasquez at listed address - Vasquez was not there
- 1729 hours Det. Haubold contacted Uber LE to get more information on Vasquez
- 1843 hours New information obtained to locate Vasquez - Information provided to
CAST
- 2000 hours Det. Kelly contacted by Det. Perkett (CAST)
- 2200 hours CAST ceases their attempts to locate Vasquez

Day 3 - 03/20/18

- 0730 hours Round table and assignments

During this meeting, all the involved parties spoke about their objectives and roles for this investigation. I learned that Det. McCormick was already in the process of obtaining a search warrant in order to complete an Event Data Recorder (EDR) download with the assistance of Det. Strohmeyer of the Scottsdale Police Department.

The meeting concluded at approximately 1145 hours at which time I escorted a group of investigators to Tempe Police Property and Evidence Facility at 1875 E Apache Boulevard, Vehicle Bay #P135 where the EDR download was going to be completed. We arrived at the vehicle bay at approximately 1205 hours and met with Det. McCormick and Det. Strohmeyer who had already commenced the EDR download. At this time, I informed all the personnel present that I would be activating my Body Worn Camera (BWC) and recording the download process along with any activity inside the vehicle bay.

The following personnel were present in Vehicle Bay #P135 during the EDR download:

- David Pereira, NTSB
- Jane Foster, NTSB
- Rafael Marshall, NTSB
- Harold Herrera, NHTSA
- Bill Collins, NHTSA
- James Perry, NHTSA

After the completion of the EDR download, the above personnel were provided the opportunity to photograph and document any evidence they needed from the involved vehicle. Personnel from NTSB and NHTSA completed their evidence gathering at approximately 1330 hours.

At approximately 1334 hours, a group of representatives from Uber were granted access to vehicle bay #P135 so they could complete a data off load from their vehicle. The following representatives were present:

- Matthew Gore, Uber
- Jacob Driggs, Uber
- Daniel Tascione, Uber
- Noah Zych, Uber
- Brandon Basso, Uber



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- Stephen McHenry, Uber

According to Brandon Basso, the vehicle was powered and plugged in for the data download at approximately 1340 hours.

I was relieved for a break by Det. McCormick at approximately 1424 hours. At this time, I turned off my BWC. I returned to the vehicle bay at approximately 1544 hours and relieved Det. McCormick. I also re-activated my BWC.

At approximately 1600 hours, Basso informed me that the data download was complete and the team had re-connected to the vehicle to complete the Volvo data off load. The Volvo data off load was completed at approximately 1620 hours.

At approximately 1631 hours, everyone was cleared from vehicle bay #P135 and the vehicle bay was secured.

On 03/22/18 at approximately 1650 hours, I contacted Donny Johnson, the General Manager at the Marquee Theatre located at 730 N Mill Avenue in Tempe, AZ. Donny assisted me with reviewing the business' security cameras for any possible angles that may have captured the collision from 03/18/18. While reviewing the numerous exterior camera angles, I observed that camera #2 was pointed towards the southeast and captured vehicles traveling north and southbound on Mill Avenue. The security video footage from 03/18/18 at 2200 hours was queued up and it appeared the collision had already taken place. The video was re-wound until the collision was observed to have taken place on the video. The footage of the collision is not clear, however the Uber vehicle can be observed approaching northbound on Mill Avenue and then stopping once the collision took place. According to the time stamp on the Marquee security video camera, the collision occurred at 21:46:55.

I was provided with a copy of the security footage from Marquee Theatre camera #2 for 03/18/18 from 21:44:11 to 21:50:58. This video was later uploaded to evidence.com as evidence.

Once at my desk, I reviewed the Marquee Theatre video footage numerous times, attempting to locate the victim prior to the collision. My goal was to identify the victim's path of travel prior to the collision. After viewing the footage multiple times, I was unsuccessful in locating the victim in the video footage prior to the collision.

The quality of the video footage becomes poorer the farther the objects are from the camera. Objects in the immediate area of the camera are fairly clear and identifiable however, objects in the distance appear grey and blurred out. Even at the time that the collision took place, I could not identify the victim in the video.

At approximately 2030 hours, I attended a briefing at the Tempe Police Department Apache Substation Community Room located at 1855 E Apache Boulevard in Tempe. Also present in the meeting were the following people:

- Commander M. Pooley
- Sergeant Carbajal
- Detective Haubold
- Detective Marsland



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- Detective McCormick
- Detective Seal
- Officer Vela
- Aaron Harder, Maricopa County Attorney's Office (MCAO)
- Tiffany Brady, MCAO
- Kayla Halloway, MCAO
- Harold Herrera, NHTSA
- James Perry, NHTSA
- Rafael Marshall, NTSB
- David Pereira, NTSB
- Ken Harmon, Institute of Police Technology & Management (IPTM)

Sgt. Carbajal reviewed the goal for the tests and some safety procedures. The briefing concluded at approximately 2040 hours.

At approximately 2050 hours, with the assistance of Sgt. Bulson and Officer Trader, I began setting up the road closures in the area of Mill Avenue and Rio Salado Parkway in order to shut down all northbound Mill Avenue traffic from Rio Salado Parkway. Once everyone that was at the briefing arrived at Mill and Rio Salado and the northbound Mill Avenue bridge was cleared of vehicular and pedestrian traffic, the group was escorted to the middle of the northbound Mill Avenue bridge. All vehicles were parked on northbound lane #1 of Mill Avenue with the exception of the tow truck transporting the Volvo which parked in lane #2.

Testing commenced at approximately 2136 hours, with instructions from Harmon and concluded at 2230 hours. All the data collected during the testing was recorded by Det. Marsland. Please refer to his report for further details.

After a short debrief, northbound Mill Avenue was opened up for regular traffic at approximately 2330 hours.

On 03/23/18 at approximately 1000 hours, Sgt. Carbajal requested I relieve Det. Marsland in vehicle bay #P135 as he was standing by with some representatives from Volvo and Uber. At approximately 1024 hours, I relieved Det. Marsland and observed the following people inspect the Volvo involved in the collision:

- Kate Wolf, Uber
- Mark Nadeau, DLA Piper Law Firm
- Vincent D'Auria, Volvo Cars USA
- Jason Guidi, Volvo Cars USA
- Steve Fenton, Kineticorp (Uber)
- Peter Andreasson, Volvo Cars Sweden
- Jan Ivarsson, Volvo Cars Sweden
- John-Fredrik Grönvall, Volvo Cars Sweden
- Henrik Wallin, Volvo Cars Sweden

At approximately 1047 hours, H. Wallin, V. D'Auria, P. Andreasson and J. Ivarsson left the vehicle bay and the property.



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At approximately 1102 hours, J. Grönvall and J. Guidi left the vehicle bay and the property.

At approximately 1219 hours, M. Nadeau left the vehicle bay and the property.

At approximately 1245 hours, K. Wolf and S. Fenton left the vehicle bay and the property.

At approximately 1246 hours, I took several photos of the Volvo to document the condition it was left in. These photos were uploaded as evidence. The vehicle bay was secured at approximately 1253 hours.

At approximately 1320 hours, I returned to vehicle bay #P135 with David Pereira (NTSB). Pereira was given access to the vehicle bay so he could take some more photos of the Volvo. The Volvo was reversed approximately 8-10 feet within the bay for the photos. Once Pereira finished taking the photos, the Volvo was returned to its original position and secured inside the bay at approximately 1327 hours.

This completed my involvement in this investigation. For further details, please refer to Det. Haubold's original report as well as all other involved Officer and Detective supplemental reports.

Pending



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GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Follow Up Report #10

Assigned to: 19343 - SEAL, JONATHAN

Assigned on: Apr-03-2018 (Tue.) 1444

Capacity: Secondary Investigator

Completed: Yes

Approved on: 04/03/2018

Approved by: CARBAJAL, STEVEN A

Narrative Text #1

Document: DETECTIVE NARRATIVE

Related Date/Time: Apr-03-2018 (Tue.)

On 3-20-18, I was asked by Sergeant Carbajal to assist with this collision investigation. After being provided background information on the investigation, I was tasked with obtaining a subpoena for the medical records of pedestrian Elaine Herzberg from her treatment at Scottsdale Osborne Hospital for injuries sustained in this collision. I was also tasked with initiating an emergency request from Uber of the vehicle driver, Rafael Vasquez's training records and personnel files, as well as all of Uber's policies, procedures, and driver training requirements for the operation of autonomous vehicles.

I first logged into Uber's law enforcement response team (LERT) portal where I put in LERT request number 00011562 for Vasquez's training records, personnel files, and all of Uber's policies and procedures governing the operation of autonomous vehicles. I was contacted shortly thereafter by Uber LERT employee Lisa O'Conner who advised that she would be processing my emergency request and that Uber would need a subpoena for the records within 7 days.

I then petitioned the Tempe Municipal Court for an order for disclosure of medical records for Herzberg's medical treatment at Scottsdale Osborne Hospital. At approximately 1001 hours, Tempe Court Judge S. Fuller signed order number 18-0003 ordering the release of Herzberg's medical records from Scottsdale Osborne Hospital. At approximately 1115 hours I served order number 18-0003 to Honor Health corporate offices located at 8125 S. Hayden Rd, Scottsdale.

On 3-21-18, I petitioned the Tempe Municipal Court for an order for disclosure of records pertaining to vehicle driver Rafael Vasquez's training records and personnel files, as well as all of Uber's policies, procedures, and driver training requirements for the operation of autonomous vehicles. At approximately 1330 hours, Tempe Court Judge S. Fuller signed order number 18-0004 ordering the release of such documents by Uber Technologies, Inc. Shortly thereafter, I spoke with Uber LERT employee Lisa O'Conner about delivering the order to Uber. After speaking with O'Conner, I uploaded the subpoena to the Uber LERT portal, and mailed an official copy with the Court seal to Uber Technologies' Custodian of Records in San Francisco, CA.

On 3-22-18, at approximately 0730 hours, I was provided search warrant number SW2018003045 signed by Judge McLaughlin of the Maricopa County Superior Court and asked to serve it to the Uber Technologies, Inc office at [REDACTED]. At approximately 0829 hours, I served Uber Technologies, Inc search warrant number SW2018003045 authorizing police to seize the following:

1. Digital Document titled, "K145 Tempe Incident - Preliminary Uber Data Review" containing data of the collision which occurred on 3-18-18 at approximately 2158 hours in the area of Mill Ave and Curry Rd, and which involved the Volvo XC90 with AZ plate [REDACTED]
2. Digital video files captured by on-board cameras of the Volvo XC90 Self-Driving-System (SDS) which shows the events immediately before, during, and immediately after the crash described above.



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3. Any digital documentation to support the maximum allowed vehicle maneuvering commands supplied by the Self-Driving-System (SDS) to the vehicle involved in this event, including, but not limited to, maximum steering rate, maximum braking force, and curb weight of Volvo XC90 outfitted with the SDS.
4. Any documentation regarding the testing and qualification of the driver, Rafael Stuart Vasquez, with respect to documented perception/reaction times during training exercises/exams.

The warrant was left with Uber employee Matthew Gore who advised that Uber attorney Matthew Burton would be in contact with Sergeant Carbajal regarding the search warrant and the handing over of the above listed documents.

On 3-22-18, at approximately 2100, I participated in a nighttime visibility study at the scene of this collision. This study was conducted using the crashed Uber vehicle that had been driven by Vasquez, as well as the bicycle that had been pushed across the roadway by Herzberg. During this study, as I am the same height as Rafael Vasquez, I drove the Uber vehicle that was involved in this collision. Officer V. Vela also participated in this study as she is close to the same height as Herzberg. During the study, Officer Vela wore similar clothing as to what Herzberg had been wearing during this collision. Officer Vela also stood in the roadway with Herzberg's bicycle close to the point of impact from the collision. While Officer Vela was standing in the roadway, I drove the Uber vehicle northbound in the number 2 lane of Mill Avenue at approximately 5 MPH. At the point at which I could see Officer Vela and discern that she was a pedestrian in the roadway, I immediately stopped the Uber vehicle and stayed there Detective Marsland could use a LIDAR unit to measure the distance between Vela and the Uber. Three separate "runs" were conducted in this manner, each time with Officer Vela in different positions in the roadway, but even (north/south) with the collisions point of impact. It should be noted that prior to this study, I did not go to the scene of this collision and did not know exactly where the point of impact was at the scene. Additionally, I was not told any information prior to the study about how or where Officer Vela would be positioned in the roadway. For information regarding the data collected and exact parameters of this study, refer to the original report written by Detective Haubold.

On 3-29-18, I asked Detective McCormick to follow up with Scottsdale Osborne Hospital regarding Herzberg's medical records. This concludes my involvement in this investigation. For further information regarding this investigation, refer to the original report written by Detective Haubold.

Pending



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Operational Status: ADMINISTRATIVE

Follow Up Report #11

Assigned to: 22020 - MCCORMICK, MICHAEL	Assigned on: May-17-2018 (Thu.) 1444	Capacity: Supplemental
Completed: Yes	Approved on: 05/17/2018	Approved by: CARBAJAL, STEVEN A

Narrative Text #1

Document: SUPPLEMENTAL OFFICER NARRATIVE

Related Date/Time: May-17-2018 (Thu.) 1445

NARRATIVE:

On 04/02/18, I received a response from Netflix in reference to search warrant number SW2018-003081. I received the response via email through an encrypted file. I opened the file and it showed there was no viewing history during the requested time period for the account registered to Rafaela Vasquez. The documents received from Netflix are attached to this supplement.

On 05/07/18, I received an email notification from Google that the information requested in the search warrant I served on them, search warrant number SW2018-003079, had been uploaded onto their secure law enforcement site and was available for me to view. I went to the site and I printed the documents that had been prepared. The documents provided included a certificate of authenticity, a general response letter and an Attachment A which shows the hash values for the two zip files they provided.

I viewed the two zip files and each merely contained the Google Account, which was [REDACTED], and it listed the information that would be contained in this file was the YouTube watch history. There was not additional information in either of the zip files, which indicates there was no viewing history during the period requested. The documents received from Google are attached to this supplement.

On 05/07/18, I found an envelope from Hulu in my work mailbox. Upon reviewing its contents, I found this was a response from Hulu reference search warrant number SW2018-003080. In the response there was account information, which confirmed the account associated with the email address [REDACTED] was for Rafaela Vasquez. There was also an Attachment A, which showed the viewing history for this account during the time period requested.

In viewing the spreadsheet provided by Hulu for the watch history on 03/18/18, I could see there were a total of six entries ranging from 1845 hours to 2142 hours. On each of these entries there is a start and end time along with the series and episode being watched. The spreadsheet also shows the subscription ID, IP Address, Source ID, Device and Internet Service Provider that was streaming the videos. During the time period provided the Subscription ID was [REDACTED] which is the subscription ID for the account assigned to Rafaela Vasquez. The device streaming the video was an iPhone 7 and Sprint is shown as the internet provider.

In the search warrant I served to Hulu, I requested the times be provided in Mountain Standard Time. The spreadsheet I was provided had the viewing history in Pacific Standard Time. In doing some research, I discovered that on 03/11/18 daylight savings time went into effect and California began observing Pacific Daylight Time (PST). On the date of the collision Pacific Daylight Time and Mountain Standard Time were shared the same time.

In viewing the spreadsheet of the watch history, the show Bones episode "Spaceman in a Crater" was being watched from 18:45:22 hours to 19:27:49 hours. The show Bones episode "The Glowing Bones in the Old Stone



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House" was being viewed from 19:30:19 hours to 19:53:01 hours. There was a break for twenty-six seconds and the show Bones episode "The Glowing Bones in the Old Stone House" continued at 19:53:27 hours and ended at 20:13:28 hours. The show Bones episode "Stargazer in a Puddle" began at 20:13:53 hours to 20:56:45 hours. The show Bones episode "The Widow's Son in the Windshield" played from 20:57:07 hours to 21:40:05 hours. The last entry was for the show Bones episode "Soccer Mom in the Mini-Van" which began at 21:41:59 hours and played for only seventeen seconds, ending at 21:42:16 hours.

The latest episode that is played ended at 21:42:16 hours and the collision as reported at 2200 hours. Although these two times do not overlap, it is certain that there is watching history through Hulu while Rafaela was operating the self-driving vehicle. I have sent Hulu a request to clarify the times provided for the viewing history, since it was not provided in Mountain Standard Time as requested. Also, I have inquired about a possibility of a variance in times reported in their viewing history. When clarification is received, the information will be added to this report.

The documents provided by Hulu are attached to this supplement.

Pending



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Operational Status: ADMINISTRATIVE

Follow Up Report #12

Assigned to: 20595 - MARSLAND, KASEY

Assigned on: May-17-2018 (Thu.) 1532

Capacity: Supplemental

Completed: Yes

Approved on: 05/17/2018

Approved by: CARBAJAL, STEVEN A

Narrative Text #1

Document: DETECTIVE NARRATIVE

Related Date/Time: May-17-2018 (Thu.) 1534

This supplement is meant to add detail and clarification to the final paragraph of the "Avoidability Analysis" section in my first supplemental report. Specifically, the details of the analysis and methodology regarding the crash reconstruction based on a 1.25 second perception and reaction time will be outlined in this supplement.

The approach to this analysis was conducted using the same parameters as the reconstruction showing a 0.5 second perception and reaction time. The original visibility distance of 637.3 ft was adjusted for all factors to a distance of 143.4 ft. The reported speed of the Volvo, based on the EDR report, at 143.3 ft prior to impact was 43.5 mph, or 63.77 fps.

In examining the referenced literature regarding perception and reaction time by Olson, Dewar, and Farber (Chapter 18, specifically), I noted that the specific situation of a pedestrian in front of a vehicle was addressed. In this case, a reaction time range of 0.6 to 1.25 seconds was stated to be likely. I used the upper end of this range for this analysis at 1.25 seconds.

With 143.3 feet remaining prior to the location of impact, the vehicle would travel 79.71 feet during the 1.25 second reaction time, leaving 63.33 feet remaining. At the Volvo's determined drag factor, the vehicle would need 68.84 feet to come to a complete stop from that speed, so the vehicle would reach the point of impact at a speed of 12.00 mph, or 17.59 fps.

The time it would take for the vehicle to slow from 63.77 fps to 17.59 fps at a drag factor of 0.92 was calculated to be 1.56 seconds. If the vehicle had not braked and had continued to travel at the original speed of 63.77 fps, it would have continued to the point of impact over the final 63.33 feet in 0.99 seconds. Because of this, the driver could have given the pedestrian an extra 0.57 seconds in which to continue walking forward.

Using the speed analysis from the video, which showed the pedestrian's walking speed at 3.18 mph, I calculated how much further forward the pedestrian could have walked in 0.57 seconds. I found that the pedestrian would have advanced another 2.64 feet toward the vehicle's right side. Detective Haubold advised me that he had measured the damaged area on the hood of the Volvo and determined that the pedestrian would have needed to advance 2.1 feet to clear the front bumper of the vehicle.

Because the braking of the vehicle gave the pedestrian an extra 0.57 seconds, the pedestrian would have been able to advance past the end of the front bumper of the Volvo before the Volvo arrived at the pedestrian's path. For this reason, the crash was deemed avoidable.



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Operational Status: ADMINISTRATIVE

Follow Up Report #13

Assigned to: 22020 - MCCORMICK, MICHAEL

Assigned on: Jun-19-2018 (Tue.) 1224

Capacity: Supplemental

Completed: No

Approved on:

Approved by:

Narrative Text #1

Document: SUPPLEMENTAL OFFICER NARRATIVE

Related Date/Time: Jun-19-2018 (Tue.) 1225

On 05/07/18, I received a response from Hulu reference the search warrant I served on the company, search warrant number SW2018-003080. I completed a supplement documenting the information I received from Hulu and I attached a copy of the viewing history to the report. I had some questions about the information provided by Hulu, so I sent them an email looking for clarification on some of the information. I sent this email on 05/10/18.

On 05/17/18 at 1741 hours, I received an email response from Hulu Legal. The email read, "We received your email below and are gathering answers to your questions. In reviewing the previous response, we determined that we may have inadvertently included data relating to another user. Please disregard the previous response. We will serve an amended response with the correct data." At the time I received this email, I had completed a supplement regarding the information they already provided to me and I had attached the documents they provided to the report.

On 05/31/18 at 1745 hours, I received another email from Hulu Legal. In this response Hulu Legal provided answers to the questions I had given them. Attached to the email was the new viewer history information which was being provided pursuant to the search warrant.

In this document it shows the information is for the account associated with email address [REDACTED] and the account user name was Rafaela Vasquez with date of birth [REDACTED]. The user ID for shown for this account is [REDACTED] and it shows the Internet Service Provider for the viewing was T-Mobile USA Inc.

In looking at the viewing history, I saw Rafaela Vasquez' Hulu account was playing The Voice, which is a talent show. The viewing began on 03/18/18 at approximately 21:16:45 hours and the last viewing time shown was 21:59:00 hours. Hulu made notice that there were times where heartbeats were not sent every twenty-nine to thirty seconds between 21:37:33 hours to 21:40:23 hours. Hulu stated the "delay in heartbeats could have been caused by any one of a number of circumstances including, but not limited to, the user pausing the player, the user switching to a different app, a buffering issue, or the phone losing service."

The end time of 21:59:00 hours coincides with the approximate time of the collision. For further on the viewing history, refer to the spreadsheet provided by Hulu, which is attached to this supplement. I have also attached the email I sent Hulu with clarifying questions regarding the information the initially provided along with their response to my questions clarifying what heartbeats are and how those appear on the spreadsheet.

Pending



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Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: ACJIS Entry Paperwork

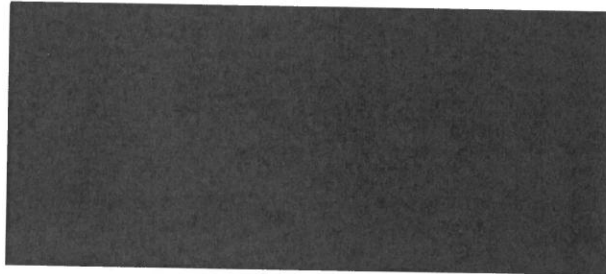
Description: VEH IMP/ HELD FOR EVIDENCE

18-32694
VEHICLE IMPOUND/MODIFY
HELD FOR EVIDENCE
DETECTIVE HAUBOLD #11638
MILL/CURRY
JM:21894 3/19/18

NUA.ILNATBC00
12:50 03/19/2018 16878
12:50 03/19/2018 10827 AZ0072921
TXT
IMPOUND RECORD UPDATED
FIL/11807801678

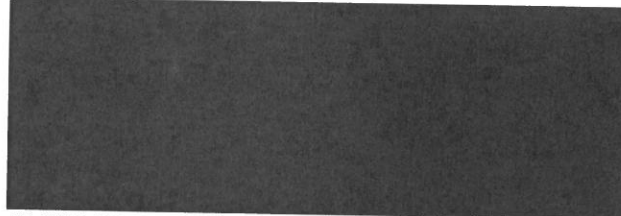
>>>> ORIGINATING TRANSACTION <<<<

BDG/ H296 A.C.I.C. IMPOUNDED VEHICLE OPI/ H296



>>>> ORIGINATING TRANSACTION <<<<

MVD.18-01 RR.00729210.AZ0072900.TXT LIC/CBC9557.



NO PRIOR PLATES

>>>> ORIGINATING TRANSACTION <<<<

EW



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GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

TEMPE POLICE DEPARTMENT

VEHICLE INFORMATION:

- Stolen
- Recovered
- Recovered FOJ

- Police Impound
- Abandoned (red tagged)
- Immobilization Device
- Illegally Parked
- Traffic Hazard
- Hit & Run
- Other

EVIDENCE _____

Location: MILL/CURRY		GO#: 18-32694	
Reporting Officer: DETECTIVE HAUBOLD #11638			
Date (earliest): 03/19/2018	Time (earliest): 0500	Date (latest):	Time (latest):
License #: [REDACTED]		License State: AZ	
VIN: [REDACTED]			
Year: 2017		Make: VOLVO	
Model: XC90		Color: GRY	
Doors: LL	Misc:		

Releasable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Release Contact Person: R/O UATC, LLC	Release Contact Phone:
--	--	------------------------

Victim Name:	Address: [REDACTED]
--------------	---------------------

City: [REDACTED]	State: [REDACTED]	Zip: [REDACTED]
Phone (Home):	Phone (Work):	(Cell/Message):

Vehicle Condition:	Who reported theft?
--------------------	---------------------

Door locked: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Ignition Locked: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Keys in Vehicle: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Registration in Vehicle: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
---	---	---	---

Recovery Condition:	Value of Vehicle (Stolen/Recovered only):
---------------------	---

Owner Different than Victim (Specify):

Towing Company:	Telephone Number: 480-350-8311
-----------------	-----------------------------------

Vehicle Stored at:
1875 E APACHE BLVD

Owner Notified on (Date):	By:
---------------------------	-----

At What Time:	Method of Notification: <input type="checkbox"/> Telephone <input type="checkbox"/> Message <input type="checkbox"/> Note <input type="checkbox"/> Fax <input type="checkbox"/> Other If Other:
---------------	--

Recover Notice Mailed on (Date): (Recovered Tempe stolen ONLY)	By:	Certified: <input type="checkbox"/> Letter <input type="checkbox"/> Card
---	-----	--

Note: If owner was not contacted, specify reason:

Processed for Prints: <input type="checkbox"/> Yes <input type="checkbox"/> No	Suspects Arrested: <input type="checkbox"/> Yes <input type="checkbox"/> No
--	---

Suspect Information:

Computer Entries Completed / Copies Attached

Entered by: JACQUE M #21894	Date: 03/19/2018	Time: 1130
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TEMPE POLICE DEPARTMENT

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GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Document

Description: SEARCH WARRANT

Mar 21, 2018 8:51 PM 3/21/2018 7:24:38 PM PAGE 2/007 PAGES 93011019 2/7

Tempe Police Department
City of Tempe

AFFIDAVIT FOR SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

Warrant Number: 2018003045

Tempe Police Incident Report: 18-32694

Your affiant, Detective K. Marsland, #20585, a peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on or about the 18th day of March, 2018, in the County of Maricopa, State of Arizona, the crime of Manslaughter was committed by:

Rafael Stuart Vasquez
AKA: Rafaela Stuart Vasquez
Date of Birth: [REDACTED]

That the affiant has probable cause to believe that

on the person(s) of.

on the premises known as:

Uber
Self Driving Vehicle Center
[REDACTED]

in the vehicle(s) described as:

In the City of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things which:

- was stolen or embezzled.
- was used as means of committing a public offense.
- is being possessed with the intent to use as a means of committing a public offense.
- is in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that the suspect named above has committed the offense.
- such person is the subject of an outstanding arrest warrant.

That said property or things are described as follows:

- 1 Digital document titled, "K145 Tempe Incident - Preliminary Uber Data Review," containing data of the collision which occurred on 03-18-18 at approximately 2158 hours in the area of Mill Ave and Curry Rd, and which involved the Volvo XC90 with AZ plate of CBC9557



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Tempe Mar 21, 2018 8:32 PM 3/21/2018 7:24:38 PM PAGE 3/007 PAGES 9301042, 3/7

Tempe Police Department
City of Tempe

2. Digital video files captured by on-board cameras of the Volvo XC90 Self-Driving-System (SDS) which show the events immediately before, during, and immediately after the crash described above.
3. Any digital documentation to support the maximum allowed vehicle maneuvering commands supplied by the Self-Driving-System (SDS) to the vehicle involved in this event, including, but not limited to, maximum steering rate, maximum braking force, and curb weight of Volvo XC90 outfitted with SDS.
4. Any documentation regarding the testing and qualification of the driver, Rafael Stuart Vasquez, with respect to documented perception/reaction times during training exercises/exams.

That the following facts establish probable cause for believing that the grounds for the issuance of a search warrant for the aforementioned items exist:

Your Affiant is a police officer in the State of Arizona and has been employed by the City of Tempe, Tempe Police Department, for 9.5 years. I am currently assigned to the Traffic Investigation Bureau, Vehicular Crimes Unit. I have the following training and experience:

I received certification as a police officer after attending at the:

- Phoenix Regional Police Academy
- Arizona Law Enforcement Academy
- Other: Mesa Police Academy

My duty assignments have included traffic enforcement, impaired driving investigation, and collision investigation.

I have specialized training in:

- Impaired Driving Investigation
- Horizontal Gaze Nystagmus
- Drug Recognition and Classification (Drug Recognition Expert)
- Collision Investigation
- Collision Reconstruction
- Methodology and Techniques of Crash Data Retrieval
- Commercial Motor Vehicle Inspection (Commercial Vehicle Safety Specialist)
- Weights and Measures (Limited Weighmaster)
- Other:



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Tempe, AZ 85281 3:32PM 3/21/2018 7:24:38 PM PAGE 4/007 PAR# 920104 R. 4/7

Tempe Police Department
City of Tempe

REGULAR INFORMATION FORM

That on or about the 18th day of March, 2018, your Affiant learned the following information in the following manner:

On 3/18/2018 at approximately 2158 hours, Rafael Vasquez was driving a Volvo XC90, owned by Rafael's employer, the Uber company. Rafael was northbound in the curb lane of Mill Ave just south of Curry Rd in the City of Tempe, County of Maricopa, State of Arizona. This particular vehicle was outfitted with a self-driving system for research and development by the Uber company, and Rafael had the system engaged at the time of this incident.

While Rafael was northbound on Mill Ave and approaching Curry Rd, a pedestrian was walking her bicycle across the roadway from west to east. Rafael's vehicle struck the pedestrian, resulting in the pedestrian's death.

Video footage from the interior of the Volvo was viewed, showing that Rafael had been looking down at an unknown item near her right knee for approximately 5.3 seconds before looking up at the roadway. As evidenced by the video footage, Rafael looked up only 0.5 seconds prior to impact with the pedestrian.

A document was prepared by the Uber company detailing their preliminary data analysis of this crash. Since the Uber company identifies vehicles with a unique identifier number, they have titled this document to reflect that it contains the Preliminary Data Analysis for the K145 Event: "K145" being the identification number of the Volvo XC90 vehicle involved in this crash.

This document was viewed by your affiant, a detective with the Tempe Police Department, on 03-21-18 at approximately 1630 hours and was found to contain information outlining the driver's training, duties, and qualifications. Most notably, this document outlines the limitations of the Self-Driving-System (SDS) in its current state of deployment in its research and development process, as well as the duties that the Uber company places on the driver in relation to those limitations when an emergency situation becomes apparent.

This document also outlined information that drivers are tested for reaction times to an emergency situation as part of their qualification process for drivers operating a vehicle equipped with an SDS. Also shown with the document were digital video files from the cameras mounted in the rooftop SDS which captured the events surrounding the crash.

Based on this information, your affiant is requesting a search warrant for obtaining data and/or documents involved in this case for reconstruction and investigative purposes.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

TEMPE, AZ 85281 3:53PM 3/21/2018 1:23:55 PM FROM 01001 14 No. 9:01 -- K. 0-7

Tempe Police Department
City of Tempe

NIGHTTIME SEARCH WARRANT:

The time is now _____ hours and the warrant must be served after 10:00 PM and before 6:30 AM because:

The evidence requested is of a perishable nature and a time delay would render it useless.

Based upon the preceding facts, I, Detective K. Marsland #20595, your Affiant, request a nighttime search warrant be issued.

DAYTIME SEARCH WARRANT:

Based upon the preceding facts, I, Detective K. Marsland #20595, your Affiant, request a daytime search warrant be issued.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the person(s), premises, and/or vehicle(s) described herein for the persons, property, and things herein described and that the same be retained in the custody of the Affiant or in the custody of the agency which Affiant represents and disposed of according to law, pursuant to A.R.S. 13-3911 and 13-3924.

[Signature] Serial No. #20595, Tempe Police Department
SIGNATURE OF AFFIANT #20595

Subscribed and sworn before to me on, MARCH 21st 2018

[Signature]
SIGNATURE OF JUDGE OR REGISTRAR

of the HONORABLE JANE MCLAUGHLIN
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar 21 2018 8:33PM 3/21/2018 7:24:38 PM PAGE 6/007 P.No. 9301001, 677

Tempe Police Department
City of Tempe

SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

Warrant Number: 2018003015

Tempe Police Incident Report: 18-32694

ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof by affidavit having been made this day to me by Tempe Police Officer Detective K. Marsland #20595, I am satisfied that there is probable cause to believe that:

On the person(s) of:

On the premises known as:

Uber
Self Driving Vehicle Center
[REDACTED]

In the vehicle(s) described as:

In the City of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things described as:

1. Digital document titled, "K145 Tempe Incident - Preliminary Uber Data Review," containing data of the collision which occurred on 03-18-18 at approximately 2158 hours in the area of Mill Ave and Curry Rd, and which involved the Volvo XC90 with AZ plate of [REDACTED]
1. Digital video files captured by on-board cameras of the Volvo XC90 Self-Driving-System (SDS) which show the events immediately before, during, and immediately after the crash described above.
2. Any digital documentation to support the maximum allowed vehicle maneuvering commands supplied by the Self-Driving-System (SDS) to the vehicle involved in this event, including, but not limited to, maximum steering rate, maximum braking force, and curb weight of Volvo XC90 outfitted with SDS.
3. Any documentation regarding the testing and qualification of the driver, Rafael Stuart Vasquez, with respect to documented perception/reaction times during training exercises/exams.

Which property or things:

- was stolen or embezzled.
- was used as means of committing a public offense.
- is being possessed with the intent to use as a means of committing a public offense.
- is in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that the listed suspect has committed the offense.
- such person is the subject of an outstanding arrest warrant.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Tempe: 21 2018 8:34PM 3/21/2018 7:24:38 PM PAGE 7/007 FAX: 9307097 77

Tempe Police Department
City of Tempe

Such public offense being Manslaughter, which occurred on or about the 18th day of March, 2018, in Tempe, Maricopa, Arizona.

YOU ARE THEREFORE COMMANDED:

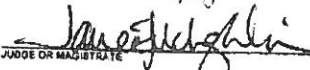
- In the daytime (excluding the time period of between 10:00 PM and 6:30 AM),
- In the nighttime (good cause therefore having been shown).

to make a search of the above described person(s), premises, and/or vehicle(s), for the herein above described property or things, and if you find the same or any part thereof, to retain such in your custody or in the custody of the Tempe Police Department, as provided by A.R.S. 13-3920.

Execute this warrant within five calendar days from its issuance and return this warrant within three court business days after the warrant is executed, as directed by A.R.S. 13-3918.

Given under my hand and dated this 21 day of March 2018

Time: _____ AM PM


JUDGE OR MAGISTRATE

Of _____ Court
HONORABLE JANE MCLAUGHLIN
MARICOPA COUNTY SUPERIOR COURT

WARRANT SERVICE

Warrant Served: Date: _____ Time: _____ AM PM

Reason for non-service: _____

- Receipt for property taken:
- "K145 Tempe Incident - Preliminary Uber Data Review," digital document.
 - Digital video files documenting incident
 - Documentation of maximum SDS inputs to vehicle
 - Perception/Reaction data from testing of suspect, Rafael Vasquez
 - See attached property form(s)



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Tempe Police Department
City of Tempe

STANDARD ARIZONA INVENTORY AFFIDAVIT & RETURN OF SEARCH WARRANT

Warrant Number: SW2018003045

Tempe Police Incident Report: 18-32694

I, Detective K. Marsland #20595, a peace officer of the State of Arizona, being duly sworn upon oath depose and say, that on the 22nd day of March, 2018, I executed this search warrant, #SW2018003045, issued by Judge Jane McLaughlin, and the following described property or substance was seized:

- "K145 Tempe Incident – Preliminary Uber Data Review," digital document.
- Digital video files documenting incident.
- Documentation of maximum SDS inputs to vehicle.
- Perception/Reaction data from testing of suspect, Rafael Vasquez.
- See attached property form(s).
- NO ITEMS SEIZED due to ongoing legal discussions with Uber.

I further certify that the foregoing inventory is a true and detailed account of all property taken by me, pursuant to A.R.S. 13-3921 and that a detailed receipt for the property taken was:

- Reviewed with the suspect and then left in the suspect's property locker at the jail or the location the property was seized.
- Given to the suspect.
- Other: A copy was given to Uber legal representation.

This warrant was returned subscribed and sworn before me this 27th day of March, 2018.


AFFIANTE Detective K. Marsland #20595


JUDGE OR MAGISTRATE

Of the _____ Court

HONORABLE MICHELLE CARSON
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Document

Description: SEARCH WARRANT 2018-002883

Mar. 19. 2018 4:43AM

No. 8723 P. 2

GO#2018-032694



POLICE DEPARTMENT CITY OF TEMPE, ARIZONA

SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT# 2018-002883
REPORT #2018-032694

ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof by affidavit having been made this day to me by: **Detective J. Barutha, #19443**

I am satisfied that there is probable cause to believe that:

in the vehicle(s) described as:

2017 Grey Volvo XC90 (4 Door Station Wagon)

VIN: [REDACTED]

Arizona License Plate: [REDACTED]

Registered Owner: UATC LLC, [REDACTED]

Currently located at Tempe Police Property and Evidence Unit located at 1875 E. Apache Blvd, Tempe, AZ.

in the city of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things described as:

- Seizure of a SD (Secure Digital), non-volatile memory card containing video and meta data associated with that video located in a review mirror camera.
- Seizure of any additional video and/or audio from March 18th, 2018 and any meta data associated with the video or audio stored on digital storage devices and computer systems within the vehicle or stored remotely at a remote facility on a remote server or computer.
- The ability to conduct on-site previews and/or conduct complete forensic examinations to include the examination of all stored data on the electronic items seized during the search warrant.
- Photographs of any recording, storage or computing devices located inside or outside of the vehicle.

Which property or things:

- were stolen or embezzled.
- were used as means of committing a public offense.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 19. 2018 4:44AM

No. 8723 P. 3

GO#2018-032694


- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of _____ to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed.

A peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on March 18, 2018 in the County of Maricopa, State of Arizona, the crime of Vehicular Manslaughter (Arizona Revised Statute 13-1103.A.1) was committed.

YOU ARE THEREFORE COMMANDED

- in the daytime (excluding the time period of between 10:00 P.M. and 6:30 A.M.)
- Or nighttime (good cause therefore having been shown) to make a search of the above named or described person(s), premises, vehicles for the herein above described property or things, and if you find the same or any part thereof, to retain such in your custody or in the custody of the Tempe Police Department, as provided by A.R.S. 13-3920.
- On a reasonable showing that an announced entry to execute the warrant would endanger the safety of any person or would result in the destruction of any of the items described in the warrant, the magistrate shall authorize an unannounced entry, as provided by A.R.S. 13-3915.B.

Return this warrant to me within three (3) days of the thereof, as directed by A.R.S. 13-3918.
Given under my hand and dated this 19th day of March, 2018.



Judge/Commissioner
Maricopa County Search Warrant Center

HONORABLE LORI ASH
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

GO#2018-032694

RETURN OF SEARCH WARRANT

I certify that on 3/19/2018, I executed search warrant # SW2018-002883 issued by Honorable Lori Ash and that I seized the following described items of property:

Items/Descriptions

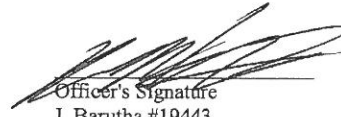
SanDisk Extreme Plus 64GB MicroSD card from a Janus V3 Dash Camera (Installed Near Rear View Mirror). Contains video of accident.

I further certify that I gave a detailed receipt for the property taken to: **Vehicle Owner Representatives**

OR

I further certify that I left a detailed receipt for the property taken from, with the tenants,

Dated this 20th day of March 2018


Officer's Signature
J. Barutha #19443

VERIFICATION OF RETURN SWORN TO AND SUBSCRIBED TO BEFORE ME THIS 20 DAY OF March, 2018.


Judge/Commissioner

HONORABLE MELISSA ZABOR
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 19. 2018 4:44AM

No. 8723 P. 4

GO#2018-032694



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

AFFIDAVIT FOR SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT# 2018 - 002883
REPORT #2018-032694

YOUR AFFIANT(S) Detective J. Barutha, #19443

A peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on March 18, 2018 in the County of Maricopa, State of Arizona, the crime of Vehicular Manslaughter (Arizona Revised Statute 13-1103.A.1) was committed.

THAT THE AFFIANT has probable cause to believe that

in the vehicle(s) described as:

2017 Grey Volvo XC90 (4 Door Station Wagon)

VIN: [REDACTED]

Arizona License Plate: [REDACTED]

Registered Owner: UATC LLC, [REDACTED]

Currently located at Tempe Police Property and Evidence Unit located at 1875 E. Apache Blvd, Tempe, AZ.

- were stolen or embezzled.
- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of _____ to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed.

in the city of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things described as:

That said property or things are described as follows:

- o Seizure of a SD (Secure Digital), non-volatile memory card containing video and meta data associated with that video located in a review mirror camera.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 19. 2018 4:44AM

No. 8723 P. 5

GO#2018-032694

- Seizure of any additional video and/or audio from March 18th, 2018 and any meta data associated with the video or audio stored on digital storage devices and computer systems within the vehicle or stored remotely at a remote facility on a remote server or computer.
- The ability to conduct on-site previews and/or conduct complete forensic examinations to include the examination of all stored data on the electronic items seized during the search warrant.
- Photographs of any recording, storage or computing devices located inside or outside of the vehicle.

That the following facts establish probable cause for believing that grounds for the issuance of a search warrant for the aforementioned items exists:

Your affiant is currently assigned to the Tempe Police Department, Criminal Investigations Division, Digital Forensics Unit, primarily investigating homicides, deaths, missing persons, violent crimes, sexual assaults, crimes against children and assisting investigations in the capacity of a Digital Forensics Detective.

Your affiant holds a Bachelor's of Science Degree in Justice Studies from Arizona State University, received law enforcement officer training from the Arizona Law Enforcement Academy in Phoenix and is a Certified Forensic Computer Examiner (CFCE) through the International Association of Computer Investigative Specialists (IACIS).

During my 11-year career I have worked as a Patrol Officer, Records Management Software Implementation and Training Officer, and Forensic Computer Detective. This diverse experience has provided me with a wide range of experience in conducting a variety of investigations.

While working in Digital Forensics since January 2014, I have received extensive specialized training regarding computer crimes and digital forensics. The specialized training covered the proper techniques for the seizure and examination of digital storage media to include hard drives, solid state drives, non-volatile and volatile memory, computers, cell phones and various video and audio recording devices.

The training ranged from generic computer crime investigations, advanced data recovery techniques, and internet related investigations which include the identification of electronic evidence and the proper collection methods to preserve the integrity of such evidence.

Your Affiant is responsible for the gathering of electronic evidence at crime scenes and analyzing cell phones, computer hard drives, storage devices and digital video recorders.

Synopsis

Based on the information Your Affiant has learned from the Tempe Police Vehicular Homicide Unit (VCU), it is believed that the crime of Vehicular Manslaughter (ARS 13-1103.A.1) may have been committed and that evidence of this offense is currently located in a 2017 Grey Volvo XC90 bearing Arizona License Plate [REDACTED]

On 3/18/2018 at approximately 2200 hours an Uber Volvo XC90 driving in autonomous mode was traveling north on Mill Ave approaching Washington Street in Tempe, AZ when it collided with a person riding a bicycle. The person riding the bicycle was pronounced dead as a result of the collision at 2230 hours.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 19. 2018 4:45AM

No. 8723 P. 6

GO#2018-032694

During interview with the vehicle's operator, they indicated their hands were off the steering wheel and their feet were off the accelerator/decelerator pedals during the collision.


Your Affiant learned that the self-driving vehicle is equipped with a camera system located in the rear-view mirror. This camera system contains a removable Secure Digital (SD) card which is a non-volatile memory card.

Det. T. Haubold with the Tempe Police VCU informed me that the vehicle is being towed to the Tempe Police Property and Evidence Facility located at 1875 E. Apache Blvd, Tempe, AZ and requested that I respond to this location to retrieve any and all video data related to this investigation for immediate viewing.

Your affiant therefore requests that this search warrant be granted.

- in the daytime (excluding the time period of between 10:00 P.M. and 6:30 A.M.)
- Affiant believes that the following information demonstrates good cause for permitting this warrant to be served between 10:00 P.M. and 6:30 A.M.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the persons, premises, buildings, and vehicles described herein for the persons, property and things herein described, and that the same be retained in the custody of the affiant or in the custody of the agency which the affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920.


 Detective J. Bardina, #19443
 Tempe Police Department

SUBSCRIBED AND SWORN to before me this 19th day of March, 2018.



 Judge/Commissioner

HONORABLE LORI ASH
 COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - FINAL FRAME CAMERA TRIANGULATION

Final Frame Camera Triangulation





TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

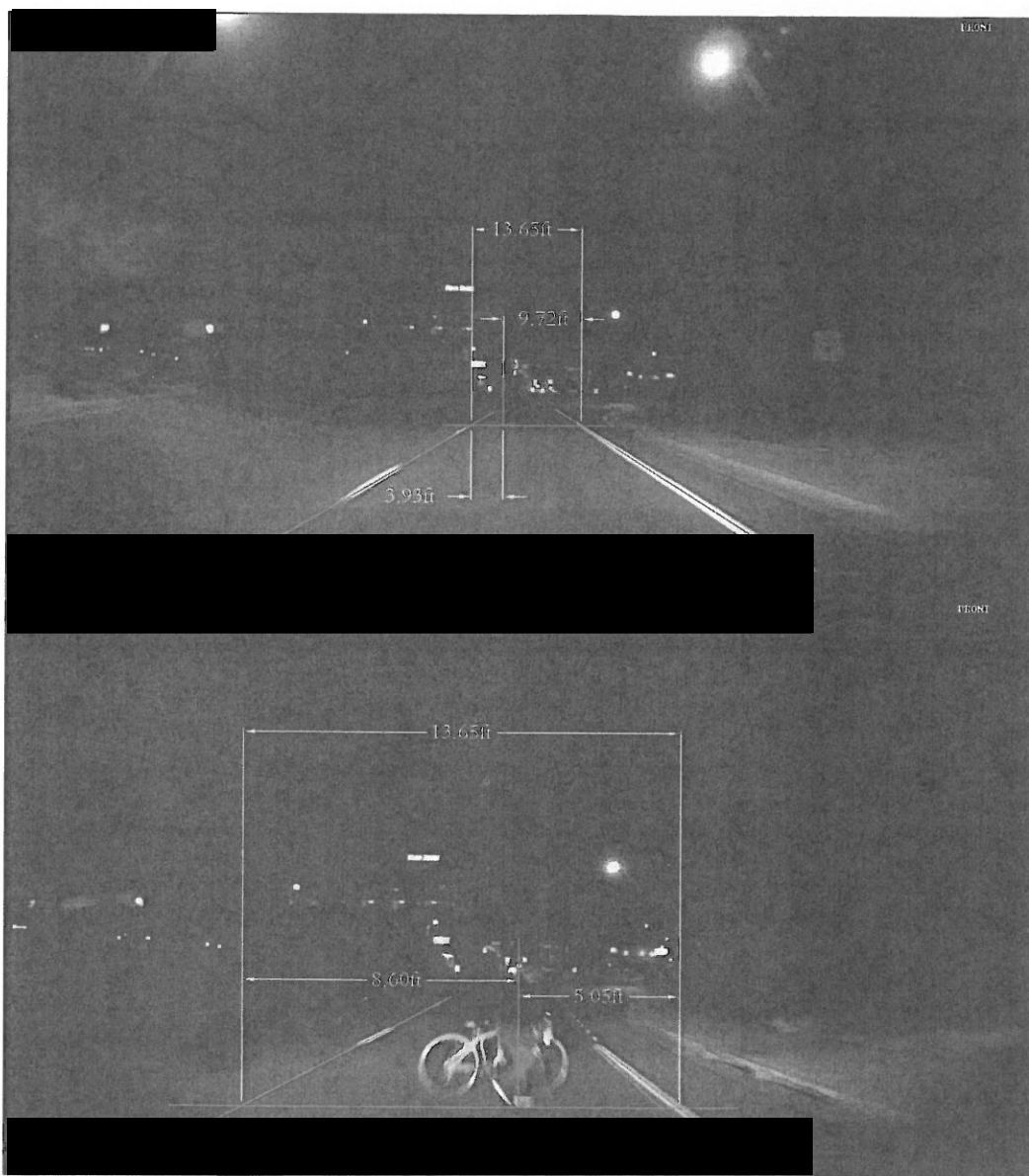
Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - PED POSITION

Ped position @ 13 frames apart





TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - SKID TESTING RUN 1

Run Number 1 VC4000 Data From Skid Testing Run 1, p.1

Run Length 2.11

Run Date/Time Thursday, March 22, 2018 10:20 PM

Vehicle 2017 Volvo XC90 T8 Case# 18-32694

Location Mill Ave / Curry Rd, just south Detective K. Marsland #20595

Notes: Actual crash vehicle used in tests

Time Secs	Accel G	Speed MPH	Dist ft.	Time Secs	Accel G	Speed MPH	Dist ft.	Time Secs	Accel G	Speed MPH	Dist ft.
0.000	0.000	40.14	0.00	0.480	-0.876	31.36	25.46	0.960	-0.934	20.98	43.93
0.010	-0.505	40.03	0.59	0.490	-0.882	31.16	25.92	0.970	-0.921	20.78	44.23
0.020	-0.349	39.96	1.17	0.500	-0.887	30.97	26.38	0.980	-0.909	20.58	44.54
0.030	-0.380	39.87	1.76	0.510	-0.896	30.77	26.83	0.990	-0.907	20.38	44.84
0.040	-0.399	39.78	2.34	0.520	-0.904	30.58	27.28	1.000	-0.906	20.18	45.14
0.050	-0.449	39.69	2.93	0.530	-0.914	30.37	27.73	1.010	-0.913	19.98	45.43
0.060	-0.499	39.58	3.51	0.540	-0.924	30.17	28.17	1.020	-0.921	19.78	45.72
0.070	-0.592	39.45	4.09	0.550	-0.935	29.97	28.61	1.030	-0.924	19.58	46.01
0.080	-0.620	39.31	4.67	0.560	-0.939	29.76	29.05	1.040	-0.927	19.38	46.30
0.090	-0.649	39.17	5.24	0.570	-0.942	29.55	29.49	1.050	-0.930	19.17	46.58
0.100	-0.691	39.02	5.81	0.580	-0.952	29.35	29.92	1.060	-0.932	18.97	46.86
0.110	-0.733	38.86	6.39	0.590	-0.963	29.13	30.35	1.070	-0.933	18.76	47.14
0.120	-0.747	38.69	6.95	0.600	-0.971	28.92	30.77	1.080	-0.943	18.56	47.41
0.130	-0.761	38.53	7.52	0.610	-0.980	28.71	31.19	1.090	-0.952	18.35	47.68
0.140	-0.776	38.35	8.08	0.620	-0.988	28.49	31.61	1.100	-0.962	18.14	47.95
0.150	-0.802	38.18	8.65	0.630	-0.991	28.27	32.03	1.110	-0.968	17.92	48.21
0.160	-0.827	38.00	9.20	0.640	-0.994	28.05	32.44	1.120	-0.974	17.71	48.47
0.170	-0.845	37.81	9.76	0.650	-1.000	27.83	32.85	1.130	-0.975	17.50	48.73
0.180	-0.863	37.62	10.31	0.660	-1.007	27.61	33.26	1.140	-0.976	17.28	48.99
0.190	-0.902	37.42	10.86	0.670	-1.016	27.39	33.66	1.150	-0.976	17.07	49.24
0.200	-0.928	37.22	11.41	0.680	-1.022	27.17	34.06	1.160	-0.977	16.85	49.49
0.210	-0.954	37.01	11.95	0.690	-1.029	26.94	34.46	1.170	-0.977	16.64	49.73
0.220	-0.977	36.80	12.50	0.700	-1.034	26.71	34.85	1.180	-0.975	16.43	49.97
0.230	-1.001	36.58	13.03	0.710	-1.040	26.49	35.24	1.190	-0.972	16.21	50.21
0.240	-0.997	36.36	13.57	0.720	-1.040	26.26	35.63	1.200	-0.978	16.00	50.45
0.250	-0.993	36.14	14.10	0.730	-1.041	26.03	36.01	1.210	-0.983	15.78	50.68
0.260	-0.989	35.92	14.63	0.740	-1.042	25.80	36.39	1.220	-0.978	15.57	50.91
0.270	-0.988	35.71	15.15	0.750	-1.037	25.57	36.77	1.230	-0.976	15.35	51.14
0.280	-0.987	35.49	15.68	0.760	-1.033	25.35	37.14	1.240	-0.975	15.14	51.36
0.290	-0.991	35.27	16.20	0.770	-1.032	25.12	37.51	1.250	-0.978	14.92	51.58
0.300	-0.994	35.06	16.71	0.780	-1.031	24.89	37.88	1.260	-0.982	14.71	51.80
0.310	-0.999	34.84	17.22	0.790	-1.030	24.67	38.24	1.270	-0.985	14.49	52.02
0.320	-0.997	34.62	17.73	0.800	-1.031	24.44	38.60	1.280	-0.987	14.28	52.23
0.330	-0.997	34.40	18.24	0.810	-1.032	24.22	38.96	1.290	-0.989	14.06	52.43
0.340	-0.990	34.18	18.74	0.820	-1.026	23.99	39.32	1.300	-0.984	13.84	52.64
0.350	-0.983	33.97	19.24	0.830	-1.021	23.77	39.67	1.310	-0.979	13.63	52.84
0.360	-0.977	33.75	19.74	0.840	-1.009	23.55	40.01	1.320	-0.979	13.41	53.04
0.370	-0.971	33.54	20.23	0.850	-0.998	23.33	40.36	1.330	-0.980	13.20	53.23
0.380	-0.964	33.33	20.72	0.860	-0.993	23.11	40.70	1.340	-0.988	12.98	53.43
0.390	-0.951	33.12	21.21	0.870	-0.993	22.89	41.03	1.350	-0.989	12.77	53.61
0.400	-0.939	32.91	21.69	0.880	-0.994	22.67	41.37	1.360	-0.991	12.55	53.80
0.410	-0.923	32.71	22.18	0.890	-0.988	22.46	41.70	1.370	-0.989	12.33	53.98
0.420	-0.907	32.51	22.65	0.900	-0.983	22.24	42.03	1.380	-0.988	12.11	54.16
0.430	-0.884	32.32	23.13	0.910	-0.974	22.03	42.35	1.390	-0.981	11.90	54.34
0.440	-0.879	32.12	23.60	0.920	-0.965	21.81	42.67	1.400	-0.974	11.69	54.51
0.450	-0.873	31.93	24.07	0.930	-0.957	21.60	42.99	1.410	-0.968	11.47	54.68
0.460	-0.872	31.74	24.54	0.940	-0.952	21.40	43.31	1.420	-0.961	11.26	54.85
0.470	-0.872	31.55	25.00	0.950	-0.948	21.19	43.62	1.430	-0.955	11.05	55.01



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - SKID TESTING RUN 2

Run Number 2 VC4000 Data From Skid Testing Run 2, p.1
 Run Length 2.23
 Run Date/Time Thursday, March 22, 2018 10:23 PM Case# 18-32694
 Vehicle 2017 Volvo XC90 T8 Detective K. Marsland #20595
 Location Mill Ave / Curry Rd, just south
 Notes: Actual crash vehicle used in tests

Time Secs	Accel G	Speed MPH	Dist ft.	Time Secs	Accel G	Speed MPH	Dist ft.	Time Secs	Accel G	Speed MPH	Dist ft.
0.000	0.000	41.60	0.00	0.480	-0.876	32.82	26.63	0.960	-0.964	22.78	46.37
0.010	-0.279	41.54	0.61	0.490	-0.869	32.63	27.11	0.970	-0.946	22.57	46.70
0.020	-0.299	41.47	1.22	0.500	-0.862	32.44	27.59	0.980	-0.927	22.37	47.03
0.030	-0.324	41.40	1.83	0.510	-0.850	32.25	28.07	0.990	-0.933	22.17	47.35
0.040	-0.346	41.33	2.43	0.520	-0.838	32.07	28.54	1.000	-0.938	21.96	47.68
0.050	-0.368	41.25	3.04	0.530	-0.826	31.88	29.01	1.010	-0.945	21.75	48.00
0.060	-0.416	41.16	3.64	0.540	-0.814	31.71	29.47	1.020	-0.944	21.55	48.32
0.070	-0.465	41.05	4.25	0.550	-0.801	31.53	29.94	1.030	-0.943	21.34	48.63
0.080	-0.508	40.94	4.85	0.560	-0.812	31.35	30.40	1.040	-0.931	21.13	48.94
0.090	-0.552	40.82	5.45	0.570	-0.824	31.17	30.86	1.050	-0.920	20.93	49.25
0.100	-0.622	40.68	6.04	0.580	-0.838	30.99	31.31	1.060	-0.911	20.73	49.56
0.110	-0.655	40.54	6.64	0.590	-0.859	30.80	31.77	1.070	-0.902	20.53	49.86
0.120	-0.688	40.39	7.23	0.600	-0.880	30.61	32.22	1.080	-0.893	20.34	50.16
0.130	-0.719	40.23	7.82	0.610	-0.888	30.41	32.66	1.090	-0.901	20.14	50.45
0.140	-0.750	40.07	8.41	0.620	-0.897	30.21	33.11	1.100	-0.908	19.94	50.75
0.150	-0.756	39.90	9.00	0.630	-0.898	30.02	33.55	1.110	-0.906	19.74	51.04
0.160	-0.763	39.73	9.58	0.640	-0.899	29.82	33.99	1.120	-0.904	19.54	51.33
0.170	-0.770	39.57	10.17	0.650	-0.900	29.62	34.42	1.130	-0.902	19.35	51.61
0.180	-0.793	39.39	10.74	0.660	-0.910	29.42	34.86	1.140	-0.896	19.15	51.90
0.190	-0.816	39.21	11.32	0.670	-0.920	29.22	35.29	1.150	-0.890	18.96	52.18
0.200	-0.842	39.03	11.89	0.680	-0.924	29.02	35.71	1.160	-0.891	18.76	52.45
0.210	-0.869	38.84	12.47	0.690	-0.928	28.82	36.14	1.170	-0.893	18.56	52.73
0.220	-0.910	38.64	13.03	0.700	-0.946	28.61	36.56	1.180	-0.894	18.37	53.00
0.230	-0.929	38.43	13.60	0.710	-0.951	28.40	36.98	1.190	-0.895	18.17	53.26
0.240	-0.949	38.23	14.16	0.720	-0.956	28.19	37.39	1.200	-0.897	17.97	53.53
0.250	-0.978	38.01	14.72	0.730	-0.974	27.98	37.80	1.210	-0.900	17.78	53.79
0.260	-1.008	37.79	15.28	0.740	-0.992	27.76	38.21	1.220	-0.903	17.58	54.05
0.270	-1.035	37.56	15.83	0.750	-0.993	27.54	38.62	1.230	-0.912	17.38	54.31
0.280	-1.062	37.33	16.38	0.760	-0.994	27.32	39.02	1.240	-0.920	17.18	54.56
0.290	-1.089	37.09	16.92	0.770	-0.996	27.10	39.42	1.250	-0.920	16.98	54.81
0.300	-1.106	36.85	17.47	0.780	-1.012	26.88	39.82	1.260	-0.918	16.77	55.06
0.310	-1.124	36.60	18.00	0.790	-1.029	26.66	40.21	1.270	-0.916	16.57	55.30
0.320	-1.124	36.36	18.54	0.800	-1.037	26.43	40.60	1.280	-0.910	16.37	55.54
0.330	-1.124	36.11	19.07	0.810	-1.046	26.20	40.98	1.290	-0.904	16.18	55.78
0.340	-1.124	35.86	19.60	0.820	-1.066	25.96	41.37	1.300	-0.916	15.97	56.02
0.350	-1.118	35.62	20.12	0.830	-1.067	25.73	41.75	1.310	-0.927	15.77	56.25
0.360	-1.112	35.37	20.64	0.840	-1.067	25.50	42.12	1.320	-0.939	15.56	56.48
0.370	-1.093	35.13	21.16	0.850	-1.066	25.26	42.49	1.330	-0.943	15.36	56.71
0.380	-1.073	34.90	21.67	0.860	-1.065	25.03	42.86	1.340	-0.947	15.15	56.93
0.390	-1.048	34.67	22.18	0.870	-1.058	24.80	43.23	1.350	-0.946	14.94	57.15
0.400	-1.023	34.44	22.69	0.880	-1.052	24.57	43.59	1.360	-0.946	14.74	57.37
0.410	-0.998	34.22	23.19	0.890	-1.045	24.34	43.95	1.370	-0.936	14.53	57.58
0.420	-0.977	34.01	23.70	0.900	-1.042	24.11	44.30	1.380	-0.931	14.33	57.80
0.430	-0.956	33.80	24.19	0.910	-1.038	23.88	44.66	1.390	-0.927	14.12	58.01
0.440	-0.933	33.60	24.69	0.920	-1.034	23.65	45.00	1.400	-0.931	13.92	58.21
0.450	-0.911	33.40	25.18	0.930	-1.030	23.43	45.35	1.410	-0.934	13.71	58.41
0.460	-0.887	33.20	25.67	0.940	-1.001	23.21	45.69	1.420	-0.942	13.51	58.61
0.470	-0.881	33.01	26.15	0.950	-0.983	22.99	46.03	1.430	-0.950	13.30	58.81



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - SKID TESTING RUN 3

Run Number 3 VC4000 Data From Skid Testing Run 3, p.1

Run Length 2.26

Run Date/ Time Thursday, March 22, 2018 10:25 PM Case# 18-32694

Vehicle 2017 Volvo XC90 T8 Detective K. Marsland #20595

Location Mill Ave / Curry Rd, just south

Notes: Actual crash vehicle used in tests

Time Secs	Accel G	Speed MPH	Dist ft.	Time Secs	Accel G	Speed MPH	Dist ft.	Time Secs	Accel G	Speed MPH	Dist ft.
0.000	0.000	42.33	0.00	0.480	-0.878	33.41	26.95	0.960	-0.983	23.35	47.08
0.010	-0.512	42.22	0.62	0.490	-0.868	33.22	27.43	0.970	-0.969	23.14	47.42
0.020	-0.420	42.13	1.24	0.500	-0.858	33.03	27.92	0.980	-0.955	22.93	47.76
0.030	-0.424	42.04	1.86	0.510	-0.842	32.84	28.40	0.990	-0.943	22.72	48.09
0.040	-0.445	41.94	2.47	0.520	-0.825	32.66	28.88	1.000	-0.931	22.52	48.42
0.050	-0.447	41.84	3.09	0.530	-0.807	32.49	29.36	1.010	-0.907	22.32	48.75
0.060	-0.497	41.73	3.70	0.540	-0.799	32.31	29.84	1.020	-0.892	22.12	49.08
0.070	-0.546	41.61	4.31	0.550	-0.792	32.14	30.31	1.030	-0.877	21.93	49.40
0.080	-0.582	41.48	4.92	0.560	-0.808	31.96	30.78	1.040	-0.887	21.73	49.72
0.090	-0.618	41.35	5.53	0.570	-0.824	31.78	31.25	1.050	-0.897	21.54	50.04
0.100	-0.670	41.20	6.13	0.580	-0.844	31.59	31.71	1.060	-0.900	21.34	50.35
0.110	-0.722	41.04	6.74	0.590	-0.864	31.40	32.17	1.070	-0.903	21.14	50.67
0.120	-0.774	40.87	7.34	0.600	-0.884	31.21	32.63	1.080	-0.907	20.94	50.97
0.130	-0.786	40.70	7.93	0.610	-0.893	31.01	33.09	1.090	-0.902	20.75	51.28
0.140	-0.799	40.52	8.53	0.620	-0.902	30.82	33.54	1.100	-0.898	20.55	51.58
0.150	-0.816	40.35	9.12	0.630	-0.902	30.62	33.99	1.110	-0.901	20.35	51.88
0.160	-0.834	40.16	9.71	0.640	-0.902	30.42	34.44	1.120	-0.904	20.15	52.18
0.170	-0.867	39.97	10.30	0.650	-0.912	30.22	34.88	1.130	-0.915	19.95	52.47
0.180	-0.888	39.78	10.89	0.660	-0.914	30.02	35.33	1.140	-0.913	19.75	52.77
0.190	-0.909	39.58	11.47	0.670	-0.918	29.82	35.77	1.150	-0.910	19.55	53.05
0.200	-0.936	39.37	12.05	0.680	-0.937	29.61	36.20	1.160	-0.929	19.35	53.34
0.210	-0.963	39.16	12.62	0.690	-0.957	29.40	36.63	1.170	-0.948	19.14	53.62
0.220	-0.991	38.94	13.20	0.700	-0.969	29.19	37.06	1.180	-0.949	18.93	53.90
0.230	-1.019	38.72	13.76	0.710	-0.981	28.98	37.49	1.190	-0.950	18.72	54.18
0.240	-1.048	38.49	14.33	0.720	-0.993	28.76	37.91	1.200	-0.951	18.51	54.45
0.250	-1.061	38.26	14.89	0.730	-1.004	28.54	38.33	1.210	-0.952	18.31	54.72
0.260	-1.074	38.02	15.45	0.740	-1.015	28.31	38.75	1.220	-0.954	18.10	54.99
0.270	-1.061	37.79	16.01	0.750	-1.018	28.09	39.16	1.230	-0.960	17.89	55.25
0.280	-1.048	37.56	16.56	0.760	-1.022	27.87	39.57	1.240	-0.966	17.67	55.51
0.290	-1.039	37.33	17.11	0.770	-1.033	27.64	39.98	1.250	-0.983	17.46	55.77
0.300	-1.034	37.11	17.66	0.780	-1.033	27.41	40.39	1.260	-0.990	17.24	56.02
0.310	-1.028	36.88	18.20	0.790	-1.034	27.19	40.79	1.270	-0.997	17.02	56.27
0.320	-1.024	36.65	18.74	0.800	-1.040	26.96	41.18	1.280	-1.002	16.80	56.52
0.330	-1.021	36.43	19.27	0.810	-1.047	26.73	41.58	1.290	-1.007	16.58	56.77
0.340	-1.015	36.21	19.81	0.820	-1.053	26.50	41.97	1.300	-0.998	16.36	57.01
0.350	-1.010	35.99	20.34	0.830	-1.058	26.27	42.35	1.310	-0.989	16.15	57.25
0.360	-1.005	35.77	20.86	0.840	-1.064	26.03	42.74	1.320	-0.999	15.93	57.48
0.370	-0.989	35.55	21.39	0.850	-1.060	25.80	43.12	1.330	-1.014	15.70	57.71
0.380	-0.974	35.34	21.91	0.860	-1.057	25.57	43.49	1.340	-1.030	15.48	57.94
0.390	-0.946	35.13	22.42	0.870	-1.045	25.34	43.87	1.350	-1.037	15.25	58.17
0.400	-0.917	34.93	22.94	0.880	-1.033	25.11	44.24	1.360	-1.044	15.02	58.39
0.410	-0.882	34.73	23.45	0.890	-1.020	24.89	44.60	1.370	-1.029	14.80	58.61
0.420	-0.868	34.54	23.96	0.900	-1.017	24.67	44.97	1.380	-1.015	14.57	58.82
0.430	-0.855	34.36	24.46	0.910	-1.013	24.44	45.33	1.390	-1.001	14.35	59.04
0.440	-0.855	34.17	24.96	0.920	-1.010	24.22	45.68	1.400	-1.000	14.13	59.25
0.450	-0.855	33.98	25.46	0.930	-1.007	24.00	46.04	1.410	-0.999	13.92	59.45
0.460	-0.863	33.79	25.96	0.940	-0.999	23.78	46.39	1.420	-0.996	13.70	59.65
0.470	-0.870	33.60	26.45	0.950	-0.991	23.56	46.74	1.430	-0.993	13.48	59.85



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - SKID TESTING RUN 4

Run Number 4 VC4000 Data From Skid Testing Run 4, p.1

Run Length 2.25

Run Date/Time Thursday, March 22, 2018 10:27 PM Case# 18-32694

Vehicle 2017 Volvo XC90 T8 Detective K. Marsland #20595

Location Mill Ave / Curry Rd, just south

Notes: Actual crash vehicle used in tests

Time Secs	Accel G	Speed MPH	Dist ft.	Time Secs	Accel G	Speed MPH	Dist ft.	Time Secs	Accel G	Speed MPH	Dist ft.
0.000	0.000	42.90	0.00	0.480	-0.928	33.94	27.45	0.960	-0.955	23.84	47.88
0.010	-0.302	42.83	0.63	0.490	-0.931	33.74	27.95	0.970	-0.955	23.63	48.22
0.020	-0.350	42.75	1.26	0.500	-0.917	33.53	28.44	0.980	-0.952	23.42	48.57
0.030	-0.355	42.67	1.88	0.510	-0.912	33.33	28.93	0.990	-0.945	23.21	48.91
0.040	-0.367	42.59	2.51	0.520	-0.908	33.14	29.42	1.000	-0.939	23.01	49.25
0.050	-0.411	42.50	3.13	0.530	-0.895	32.94	29.90	1.010	-0.944	22.80	49.59
0.060	-0.456	42.40	3.75	0.540	-0.883	32.75	30.38	1.020	-0.950	22.59	49.92
0.070	-0.503	42.29	4.38	0.550	-0.876	32.55	30.86	1.030	-0.937	22.39	50.25
0.080	-0.552	42.17	5.00	0.560	-0.870	32.36	31.34	1.040	-0.924	22.18	50.58
0.090	-0.603	42.04	5.61	0.570	-0.864	32.17	31.81	1.050	-0.912	21.98	50.90
0.100	-0.643	41.90	6.23	0.580	-0.866	31.98	32.28	1.060	-0.903	21.79	51.22
0.110	-0.684	41.75	6.84	0.590	-0.869	31.79	32.75	1.070	-0.894	21.59	51.54
0.120	-0.709	41.59	7.45	0.600	-0.886	31.60	33.22	1.080	-0.913	21.39	51.85
0.130	-0.733	41.43	8.06	0.610	-0.904	31.40	33.68	1.090	-0.933	21.19	52.17
0.140	-0.758	41.27	8.67	0.620	-0.920	31.20	34.14	1.100	-0.936	20.98	52.48
0.150	-0.762	41.10	9.27	0.630	-0.924	31.00	34.59	1.110	-0.927	20.78	52.78
0.160	-0.767	40.93	9.87	0.640	-0.929	30.79	35.05	1.120	-0.918	20.58	53.08
0.170	-0.811	40.75	10.47	0.650	-0.935	30.59	35.50	1.130	-0.904	20.38	53.39
0.180	-0.856	40.56	11.07	0.660	-0.942	30.38	35.94	1.140	-0.890	20.18	53.68
0.190	-0.902	40.37	11.66	0.670	-0.946	30.17	36.39	1.150	-0.905	19.98	53.98
0.200	-0.930	40.16	12.25	0.680	-0.950	29.96	36.83	1.160	-0.920	19.78	54.27
0.210	-0.957	39.95	12.84	0.690	-0.955	29.75	37.27	1.170	-0.935	19.58	54.56
0.220	-0.977	39.74	13.43	0.700	-0.960	29.54	37.70	1.180	-0.936	19.37	54.84
0.230	-0.997	39.52	14.01	0.710	-0.965	29.33	38.13	1.190	-0.938	19.17	55.13
0.240	-1.013	39.30	14.58	0.720	-0.972	29.12	38.56	1.200	-0.930	18.96	55.41
0.250	-1.030	39.07	15.16	0.730	-0.980	28.90	38.99	1.210	-0.922	18.76	55.68
0.260	-1.047	38.84	15.73	0.740	-0.995	28.69	39.41	1.220	-0.916	18.56	55.96
0.270	-1.044	38.61	16.30	0.750	-1.002	28.47	39.83	1.230	-0.921	18.36	56.23
0.280	-1.042	38.38	16.86	0.760	-1.010	28.24	40.24	1.240	-0.925	18.15	56.49
0.290	-1.041	38.16	17.42	0.770	-1.014	28.02	40.66	1.250	-0.927	17.95	56.76
0.300	-1.040	37.93	17.98	0.780	-1.019	27.80	41.07	1.260	-0.929	17.75	57.02
0.310	-1.050	37.70	18.54	0.790	-1.018	27.57	41.47	1.270	-0.933	17.54	57.28
0.320	-1.062	37.46	19.09	0.800	-1.018	27.35	41.87	1.280	-0.937	17.34	57.53
0.330	-1.075	37.23	19.64	0.810	-1.017	27.13	42.27	1.290	-0.941	17.13	57.79
0.340	-1.087	36.99	20.18	0.820	-1.019	26.90	42.67	1.300	-0.939	16.92	58.04
0.350	-1.100	36.75	20.72	0.830	-1.021	26.68	43.06	1.310	-0.937	16.72	58.28
0.360	-1.087	36.51	21.26	0.840	-1.022	26.46	43.45	1.320	-0.938	16.51	58.53
0.370	-1.073	36.28	21.79	0.850	-1.023	26.23	43.84	1.330	-0.939	16.31	58.77
0.380	-1.060	36.04	22.32	0.860	-1.020	26.01	44.22	1.340	-0.935	16.10	59.01
0.390	-1.046	35.81	22.85	0.870	-1.017	25.79	44.60	1.350	-0.936	15.90	59.24
0.400	-1.033	35.59	23.37	0.880	-1.014	25.56	44.98	1.360	-0.937	15.69	59.47
0.410	-0.999	35.37	23.89	0.890	-1.012	25.34	45.35	1.370	-0.936	15.49	59.70
0.420	-0.965	35.16	24.41	0.900	-1.009	25.12	45.72	1.380	-0.936	15.28	59.93
0.430	-0.944	34.95	24.92	0.910	-0.997	24.90	46.09	1.390	-0.940	15.07	60.15
0.440	-0.925	34.75	25.44	0.920	-0.986	24.68	46.45	1.400	-0.945	14.87	60.37
0.450	-0.906	34.55	25.94	0.930	-0.974	24.47	46.81	1.410	-0.949	14.66	60.59
0.460	-0.915	34.35	26.45	0.940	-0.965	24.26	47.17	1.420	-0.953	14.45	60.80
0.470	-0.925	34.14	26.95	0.950	-0.955	24.05	47.52	1.430	-0.958	14.24	61.01



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - SKID TESTING RUN 5

Run Number 5 VC4000 Data From Skid Testing Run 5, p.1

Run Length 2.23

Run Date/ Time Thursday, March 22, 2018 10:29 PM Case# 18-32694

Vehicle 2017 Volvo XC90 T8 Detective K. Marsland #20595

Location Mill Ave / Curry Rd, just south

Notes: Actual crash vehicle used in tests

Time Secs	Accel G	Speed MPH	Dist ft.	Time Secs	Accel G	Speed MPH	Dist ft.	Time Secs	Accel G	Speed MPH	Dist ft.
0.000	0.000	41.77	0.00	0.480	-0.821	32.53	26.44	0.960	-0.926	22.70	46.01
0.010	-0.487	41.66	0.61	0.490	-0.831	32.35	26.92	0.970	-0.914	22.50	46.34
0.020	-0.335	41.59	1.22	0.500	-0.841	32.16	27.39	0.980	-0.901	22.30	46.67
0.030	-0.380	41.50	1.83	0.510	-0.839	31.98	27.86	0.990	-0.905	22.11	47.00
0.040	-0.413	41.41	2.44	0.520	-0.836	31.79	28.33	1.000	-0.910	21.91	47.32
0.050	-0.470	41.31	3.05	0.530	-0.835	31.61	28.80	1.010	-0.912	21.71	47.64
0.060	-0.527	41.19	3.65	0.540	-0.835	31.43	29.26	1.020	-0.915	21.51	47.96
0.070	-0.584	41.06	4.25	0.550	-0.834	31.24	29.72	1.030	-0.918	21.30	48.27
0.080	-0.608	40.93	4.86	0.560	-0.835	31.06	30.17	1.040	-0.903	21.11	48.58
0.090	-0.632	40.79	5.46	0.570	-0.837	30.88	30.63	1.050	-0.888	20.91	48.89
0.100	-0.674	40.64	6.05	0.580	-0.836	30.69	31.08	1.060	-0.888	20.72	49.20
0.110	-0.716	40.49	6.65	0.590	-0.835	30.51	31.53	1.070	-0.887	20.52	49.50
0.120	-0.788	40.32	7.24	0.600	-0.841	30.33	31.97	1.080	-0.876	20.33	49.80
0.130	-0.817	40.14	7.83	0.610	-0.852	30.14	32.42	1.090	-0.877	20.14	50.10
0.140	-0.847	39.95	8.42	0.620	-0.863	29.95	32.86	1.100	-0.878	19.94	50.39
0.150	-0.881	39.76	9.00	0.630	-0.871	29.76	33.30	1.110	-0.856	19.76	50.68
0.160	-0.916	39.56	9.58	0.640	-0.879	29.57	33.73	1.120	-0.835	19.57	50.97
0.170	-0.937	39.35	10.16	0.650	-0.887	29.37	34.16	1.130	-0.858	19.39	51.25
0.180	-0.957	39.14	10.74	0.660	-0.896	29.18	34.59	1.140	-0.881	19.19	51.54
0.190	-0.979	38.93	11.31	0.670	-0.905	28.98	35.02	1.150	-0.904	18.99	51.82
0.200	-1.002	38.71	11.88	0.680	-0.918	28.78	35.44	1.160	-0.914	18.79	52.09
0.210	-1.025	38.48	12.45	0.690	-0.932	28.57	35.86	1.170	-0.924	18.59	52.37
0.220	-1.049	38.25	13.01	0.700	-0.945	28.36	36.28	1.180	-0.922	18.39	52.64
0.230	-1.074	38.02	13.57	0.710	-0.958	28.15	36.70	1.190	-0.921	18.19	52.91
0.240	-1.097	37.77	14.12	0.720	-0.973	27.94	37.11	1.200	-0.907	17.99	53.17
0.250	-1.111	37.53	14.68	0.730	-0.981	27.72	37.52	1.210	-0.916	17.79	53.44
0.260	-1.125	37.28	15.22	0.740	-0.990	27.51	37.92	1.220	-0.925	17.58	53.69
0.270	-1.122	37.04	15.77	0.750	-0.993	27.29	38.32	1.230	-0.925	17.38	53.95
0.280	-1.119	36.79	16.31	0.760	-0.996	27.07	38.72	1.240	-0.924	17.18	54.20
0.290	-1.111	36.55	16.85	0.770	-1.002	26.85	39.12	1.250	-0.935	16.97	54.46
0.300	-1.103	36.31	17.38	0.780	-1.008	26.63	39.51	1.260	-0.945	16.77	54.70
0.310	-1.095	36.07	17.91	0.790	-1.014	26.41	39.90	1.270	-0.955	16.56	54.95
0.320	-1.084	35.83	18.44	0.800	-1.018	26.19	40.28	1.280	-0.951	16.35	55.19
0.330	-1.073	35.59	18.96	0.810	-1.022	25.96	40.67	1.290	-0.947	16.14	55.43
0.340	-1.056	35.36	19.48	0.820	-1.024	25.74	41.04	1.300	-0.950	15.93	55.66
0.350	-1.039	35.13	20.00	0.830	-1.026	25.51	41.42	1.310	-0.954	15.72	55.89
0.360	-1.010	34.91	20.52	0.840	-1.021	25.29	41.79	1.320	-0.959	15.51	56.12
0.370	-0.985	34.70	21.03	0.850	-1.017	25.06	42.16	1.330	-0.967	15.30	56.35
0.380	-0.960	34.49	21.53	0.860	-1.013	24.84	42.53	1.340	-0.976	15.09	56.57
0.390	-0.950	34.28	22.04	0.870	-1.003	24.62	42.89	1.350	-0.976	14.87	56.79
0.400	-0.942	34.07	22.54	0.880	-0.994	24.40	43.25	1.360	-0.976	14.66	57.01
0.410	-0.935	33.87	23.04	0.890	-0.992	24.19	43.61	1.370	-0.978	14.44	57.22
0.420	-0.928	33.66	23.53	0.900	-0.990	23.97	43.96	1.380	-0.980	14.23	57.43
0.430	-0.921	33.46	24.02	0.910	-0.987	23.75	44.31	1.390	-0.983	14.01	57.64
0.440	-0.892	33.27	24.51	0.920	-0.981	23.54	44.66	1.400	-0.983	13.80	57.84
0.450	-0.862	33.08	25.00	0.930	-0.976	23.32	45.00	1.410	-0.983	13.58	58.04
0.460	-0.847	32.89	25.48	0.940	-0.960	23.11	45.34	1.420	-0.978	13.37	58.24
0.470	-0.832	32.71	25.97	0.950	-0.944	22.91	45.68	1.430	-0.974	13.15	58.44



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - SKID TESTING RUN 1B

Run Number 1
Run Length 2.11
Run Date/ Time Thursday, March 22, 2018 10 20 PM
Vehicle
Location
Notes

Time Secs	Accel G	Speed M P H	Dist ft.
0 000	0.000	40.14	0.00
0 010	-0.505	40.03	0.59
0 020	-0.349	39.96	1.17
0 030	-0.380	39.87	1.76
0 040	-0.399	39.78	2.34
0 050	-0.449	39.69	2.93
0 060	-0.499	39.58	3.51
0 070	-0.592	39.45	4.09
0 080	-0.620	39.31	4.67
0 090	-0.649	39.17	5.24
0.100	-0.691	39.02	5.81
0.110	-0.733	38.86	6.39
0.120	-0.747	38.69	6.95
0.130	-0.761	38.53	7.52
0.140	-0.776	38.35	8.08
0.150	-0.802	38.18	8.65
0.160	-0.827	38.00	9.20
0.170	-0.845	37.81	9.76
0.180	-0.863	37.62	10.31
0.190	-0.902	37.42	10.86
0 200	-0.928	37.22	11.41
0 210	-0.954	37.01	11.95
0 220	-0.977	36.80	12.50
0 230	-1.001	36.58	13.03
0 240	-0.997	36.36	13.57
0 250	-0.993	36.14	14.10
0 260	-0.989	35.92	14.63
0 270	-0.988	35.71	15.15
0 280	-0.987	35.49	15.68
0 290	-0.991	35.27	16.20
0 300	-0.994	35.06	16.71
0 310	-0.999	34.84	17.22
0 320	-0.997	34.62	17.73
0 330	-0.997	34.40	18.24
0 340	-0.990	34.18	18.74
0 350	-0.983	33.97	19.24
0 360	-0.977	33.75	19.74



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

0 370	-0.971	33.54	20.23
0 380	-0.964	33.33	20.72
0 390	-0.951	33.12	21.21
0.400	-0.939	32.91	21.69
0.410	-0.923	32.71	22.18
0.420	-0.907	32.51	22.65
0.430	-0.884	32.32	23.13
0.440	-0.879	32.12	23.60
0.450	-0.873	31.93	24.07
0.460	-0.872	31.74	24.54
0.470	-0.872	31.55	25.00
0.480	-0.876	31.36	25.46
0.490	-0.882	31.16	25.92
0 500	-0.887	30.97	26.38
0 510	-0.896	30.77	26.83
0 520	-0.904	30.58	27.28
0 530	-0.914	30.37	27.73
0 540	-0.924	30.17	28.17
0 550	-0.935	29.97	28.61
0 560	-0.939	29.76	29.05
0 570	-0.942	29.55	29.49
0 580	-0.952	29.35	29.92
0 590	-0.963	29.13	30.35
0.600	-0.971	28.92	30.77
0.610	-0.980	28.71	31.19
0.620	-0.988	28.49	31.61
0.630	-0.991	28.27	32.03
0.640	-0.994	28.05	32.44
0.650	-1.000	27.83	32.85
0.660	-1.007	27.61	33.26
0.670	-1.016	27.39	33.66
0.680	-1.022	27.17	34.06
0.690	-1.029	26.94	34.46
0.700	-1.034	26.71	34.85
0.710	-1.040	26.49	35.24
0.720	-1.040	26.26	35.63
0.730	-1.041	26.03	36.01
0.740	-1.042	25.80	36.39
0.750	-1.037	25.57	36.77
0.760	-1.033	25.35	37.14
0.770	-1.032	25.12	37.51
0.780	-1.031	24.89	37.88
0.790	-1.030	24.67	38.24
0 800	-1.031	24.44	38.60
0 810	-1.032	24.22	38.96
0 820	-1.026	23.99	39.32
0 830	-1.021	23.77	39.67



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

0 840	-1.009	23.55	40.01
0 850	-0.998	23.33	40.36
0 860	-0.993	23.11	40.70
0 870	-0.993	22.89	41.03
0 880	-0.994	22.67	41.37
0 890	-0.988	22.46	41.70
0 900	-0.983	22.24	42.03
0 910	-0.974	22.03	42.35
0 920	-0.965	21.81	42.67
0 930	-0.957	21.60	42.99
0 940	-0.952	21.40	43.31
0 950	-0.948	21.19	43.62
0 960	-0.934	20.98	43.93
0 970	-0.921	20.78	44.23
0 980	-0.909	20.58	44.54
0 990	-0.907	20.38	44.84
1 000	-0.906	20.18	45.14
1 010	-0.913	19.98	45.43
1 020	-0.921	19.78	45.72
1 030	-0.924	19.58	46.01
1 040	-0.927	19.38	46.30
1 050	-0.930	19.17	46.58
1 060	-0.932	18.97	46.86
1 070	-0.933	18.76	47.14
1 080	-0.943	18.56	47.41
1 090	-0.952	18.35	47.68
1.100	-0.962	18.14	47.95
1.110	-0.968	17.92	48.21
1.120	-0.974	17.71	48.47
1.130	-0.975	17.50	48.73
1.140	-0.976	17.28	48.99
1.150	-0.976	17.07	49.24
1.160	-0.977	16.85	49.49
1.170	-0.977	16.64	49.73
1.180	-0.975	16.43	49.97
1.190	-0.972	16.21	50.21
1 200	-0.978	16.00	50.45
1 210	-0.983	15.78	50.68
1 220	-0.978	15.57	50.91
1 230	-0.976	15.35	51.14
1 240	-0.975	15.14	51.36
1 250	-0.978	14.92	51.58
1 260	-0.982	14.71	51.80
1 270	-0.985	14.49	52.02
1 280	-0.987	14.28	52.23
1 290	-0.989	14.06	52.43
1 300	-0.984	13.84	52.64



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 310	-0.979	13.63	52.84
1 320	-0.979	13.41	53.04
1 330	-0.980	13.20	53.23
1 340	-0.988	12.98	53.43
1 350	-0.989	12.77	53.61
1 360	-0.991	12.55	53.80
1 370	-0.989	12.33	53.98
1 380	-0.988	12.11	54.16
1 390	-0.981	11.90	54.34
1.400	-0.974	11.69	54.51
1.410	-0.968	11.47	54.68
1.420	-0.961	11.26	54.85
1.430	-0.955	11.05	55.01
1.440	-0.950	10.84	55.17
1.450	-0.946	10.64	55.33
1.460	-0.954	10.43	55.48
1.470	-0.970	10.21	55.64
1.480	-0.987	10.00	55.78
1.490	-0.980	9.78	55.93
1 500	-0.972	9.57	56.07
1 510	-0.967	9.36	56.21
1 520	-0.963	9.15	56.34
1 530	-0.958	8.94	56.48
1 540	-0.961	8.73	56.61
1 550	-0.964	8.51	56.73
1 560	-0.963	8.30	56.86
1 570	-0.961	8.09	56.98
1 580	-0.951	7.88	57.09
1 590	-0.952	7.67	57.21
1.600	-0.953	7.47	57.32
1.610	-0.940	7.26	57.43
1.620	-0.927	7.06	57.53
1.630	-0.920	6.85	57.63
1.640	-0.914	6.65	57.73
1.650	-0.908	6.45	57.83
1.660	-0.916	6.25	57.92
1.670	-0.925	6.05	58.01
1.680	-0.932	5.85	58.10
1.690	-0.939	5.64	58.18
1.700	-0.955	5.43	58.27
1.710	-0.960	5.22	58.34
1.720	-0.965	5.01	58.42
1.730	-0.961	4.80	58.49
1.740	-0.958	4.59	58.56
1.750	-0.956	4.38	58.63
1.760	-0.953	4.17	58.69
1.770	-0.950	3.96	58.75



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1.780	-0.956	3.75	58.80
1.790	-0.961	3.54	58.86
1.800	-0.960	3.33	58.91
1.810	-0.958	3.12	58.95
1.820	-0.942	2.91	59.00
1.830	-0.930	2.71	59.04
1.840	-0.918	2.51	59.08
1.850	-0.918	2.31	59.11
1.860	-0.919	2.10	59.15
1.870	-0.938	1.90	59.18
1.880	-0.957	1.69	59.20
1.890	-0.977	1.47	59.23
1.900	-0.968	1.26	59.25
1.910	-0.958	1.05	59.26
1.920	-0.957	0.84	59.28
1.930	-0.955	0.63	59.29
1.940	-0.951	0.42	59.29
1.950	-0.960	0.21	59.30
1.960	-0.969	0.00	59.30
1.970	-0.959	0.00	59.30
1.980	-0.949	0.00	59.30
1.990	-0.912	0.00	59.30
2.000	-0.875	0.00	59.30
2.010	-0.838	0.00	59.30
2.020	-0.762	0.00	59.30
2.030	-0.687	0.00	59.30
2.040	-0.598	0.00	59.30
2.050	-0.509	0.00	59.30
2.060	-0.380	0.00	59.30
2.070	-0.298	0.00	59.30
2.080	-0.226	0.00	59.30
2.090	-0.158	0.00	59.30
2.100	-0.128	0.00	59.30
2.110	0.172	0.00	59.30



TEMPE POLICE DEPARTMENT

General Offense Report

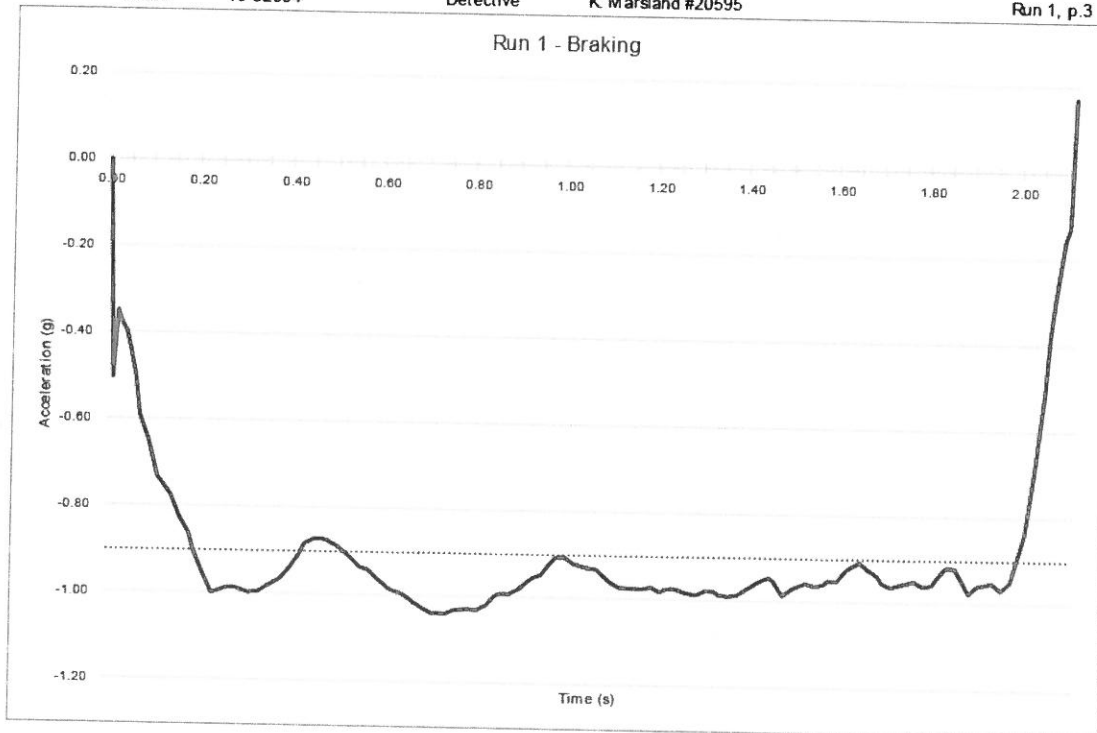
GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Case# 18-32694

Detective K Marsland #20595

Run 1, p.3



Avg. Accel -0.932



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - SKID TESTING RUN 2B

Run Number 2
 Run Length 2.23
 Run Date/ Time Thursday, March 22, 2018 10 23 PM
 Vehicle
 Location
 Notes

Time Secs	Accel G	Speed MPH	Dist ft.
0 000	0.000	41.60	0.00
0 010	-0.279	41.54	0.61
0 020	-0.299	41.47	1.22
0 030	-0.324	41.40	1.83
0 040	-0.346	41.33	2.43
0 050	-0.368	41.25	3.04
0 060	-0.416	41.16	3.64
0 070	-0.465	41.05	4.25
0 080	-0.508	40.94	4.85
0 090	-0.552	40.82	5.45
0 100	-0.622	40.68	6.04
0 110	-0.655	40.54	6.64
0 120	-0.688	40.39	7.23
0 130	-0.719	40.23	7.82
0 140	-0.750	40.07	8.41
0 150	-0.756	39.90	9.00
0 160	-0.763	39.73	9.58
0 170	-0.770	39.57	10.17
0 180	-0.793	39.39	10.74
0 190	-0.816	39.21	11.32
0 200	-0.842	39.03	11.89
0 210	-0.869	38.84	12.47
0 220	-0.910	38.64	13.03
0 230	-0.929	38.43	13.60
0 240	-0.949	38.23	14.16
0 250	-0.978	38.01	14.72
0 260	-1.008	37.79	15.28
0 270	-1.035	37.56	15.83
0 280	-1.062	37.33	16.38
0 290	-1.089	37.09	16.92
0 300	-1.106	36.85	17.47
0 310	-1.124	36.60	18.00
0 320	-1.124	36.36	18.54
0 330	-1.124	36.11	19.07
0 340	-1.124	35.86	19.60
0 350	-1.118	35.62	20.12
0 360	-1.112	35.37	20.64



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

0 370	-1.093	35.13	21.16
0 380	-1.073	34.90	21.67
0 390	-1.048	34.67	22.18
0 400	-1.023	34.44	22.69
0 410	-0.998	34.22	23.19
0 420	-0.977	34.01	23.70
0 430	-0.956	33.80	24.19
0 440	-0.933	33.60	24.69
0 450	-0.911	33.40	25.18
0 460	-0.887	33.20	25.67
0 470	-0.881	33.01	26.15
0 480	-0.876	32.82	26.63
0 490	-0.869	32.63	27.11
0 500	-0.862	32.44	27.59
0 510	-0.850	32.25	28.07
0 520	-0.838	32.07	28.54
0 530	-0.826	31.88	29.01
0 540	-0.814	31.71	29.47
0 550	-0.801	31.53	29.94
0 560	-0.812	31.35	30.40
0 570	-0.824	31.17	30.86
0 580	-0.838	30.99	31.31
0 590	-0.859	30.80	31.77
0 600	-0.880	30.61	32.22
0 610	-0.888	30.41	32.66
0 620	-0.897	30.21	33.11
0 630	-0.898	30.02	33.55
0 640	-0.899	29.82	33.99
0 650	-0.900	29.62	34.42
0 660	-0.910	29.42	34.86
0 670	-0.920	29.22	35.29
0 680	-0.924	29.02	35.71
0 690	-0.928	28.82	36.14
0 700	-0.946	28.61	36.56
0 710	-0.951	28.40	36.98
0 720	-0.956	28.19	37.39
0 730	-0.974	27.98	37.80
0 740	-0.992	27.76	38.21
0 750	-0.993	27.54	38.62
0 760	-0.994	27.32	39.02
0 770	-0.996	27.10	39.42
0 780	-1.012	26.88	39.82
0 790	-1.029	26.66	40.21
0 800	-1.037	26.43	40.60
0 810	-1.046	26.20	40.98
0 820	-1.066	25.96	41.37
0 830	-1.067	25.73	41.75



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

0 840	-1.067	25.50	42.12
0 850	-1.066	25.26	42.49
0 860	-1.065	25.03	42.86
0 870	-1.058	24.80	43.23
0 880	-1.052	24.57	43.59
0 890	-1.045	24.34	43.95
0 900	-1.042	24.11	44.30
0 910	-1.038	23.88	44.66
0 920	-1.034	23.65	45.00
0 930	-1.030	23.43	45.35
0 940	-1.001	23.21	45.69
0 950	-0.983	22.99	46.03
0 960	-0.964	22.78	46.37
0 970	-0.946	22.57	46.70
0 980	-0.927	22.37	47.03
0 990	-0.933	22.17	47.35
1 000	-0.938	21.96	47.68
1 010	-0.945	21.75	48.00
1 020	-0.944	21.55	48.32
1 030	-0.943	21.34	48.63
1 040	-0.931	21.13	48.94
1 050	-0.920	20.93	49.25
1 060	-0.911	20.73	49.56
1 070	-0.902	20.53	49.86
1 080	-0.893	20.34	50.16
1 090	-0.901	20.14	50.45
1.100	-0.908	19.94	50.75
1.110	-0.906	19.74	51.04
1.120	-0.904	19.54	51.33
1.130	-0.902	19.35	51.61
1.140	-0.896	19.15	51.90
1.150	-0.890	18.96	52.18
1.160	-0.891	18.76	52.45
1.170	-0.893	18.56	52.73
1.180	-0.894	18.37	53.00
1.190	-0.895	18.17	53.26
1 200	-0.897	17.97	53.53
1 210	-0.900	17.78	53.79
1 220	-0.903	17.58	54.05
1 230	-0.912	17.38	54.31
1 240	-0.920	17.18	54.56
1 250	-0.920	16.98	54.81
1 260	-0.918	16.77	55.06
1 270	-0.916	16.57	55.30
1 280	-0.910	16.37	55.54
1 290	-0.904	16.18	55.78
1 300	-0.916	15.97	56.02



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 310	-0.927	15.77	56.25
1 320	-0.939	15.56	56.48
1 330	-0.943	15.36	56.71
1 340	-0.947	15.15	56.93
1 350	-0.946	14.94	57.15
1 360	-0.946	14.74	57.37
1 370	-0.936	14.53	57.58
1 380	-0.931	14.33	57.80
1 390	-0.927	14.12	58.01
1.400	-0.931	13.92	58.21
1.410	-0.934	13.71	58.41
1.420	-0.942	13.51	58.61
1.430	-0.950	13.30	58.81
1.440	-0.958	13.09	59.00
1.450	-0.954	12.88	59.19
1.460	-0.950	12.67	59.38
1.470	-0.950	12.46	59.57
1.480	-0.950	12.25	59.75
1.490	-0.946	12.05	59.92
1 500	-0.941	11.84	60.10
1 510	-0.935	11.63	60.27
1 520	-0.938	11.43	60.44
1 530	-0.941	11.22	60.61
1 540	-0.941	11.02	60.77
1 550	-0.941	10.81	60.93
1 560	-0.942	10.60	61.09
1 570	-0.927	10.40	61.24
1 580	-0.913	10.20	61.39
1 590	-0.916	10.00	61.54
1.600	-0.918	9.80	61.69
1.610	-0.917	9.60	61.83
1.620	-0.923	9.39	61.97
1.630	-0.929	9.19	62.10
1.640	-0.934	8.98	62.24
1.650	-0.940	8.78	62.37
1.660	-0.940	8.57	62.49
1.670	-0.940	8.37	62.62
1.680	-0.941	8.16	62.74
1.690	-0.929	7.96	62.86
1.700	-0.917	7.75	62.97
1.710	-0.918	7.55	63.09
1.720	-0.919	7.35	63.19
1.730	-0.904	7.15	63.30
1.740	-0.892	6.96	63.40
1.750	-0.880	6.76	63.51
1.760	-0.882	6.57	63.60
1.770	-0.883	6.38	63.70



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1.780	-0.899	6.18	63.79
1.790	-0.915	5.98	63.88
1.800	-0.931	5.78	63.97
1.810	-0.929	5.57	64.05
1.820	-0.927	5.37	64.13
1.830	-0.923	5.17	64.21
1.840	-0.919	4.96	64.28
1.850	-0.924	4.76	64.35
1.860	-0.928	4.56	64.42
1.870	-0.932	4.35	64.49
1.880	-0.931	4.15	64.55
1.890	-0.930	3.95	64.61
1.900	-0.914	3.74	64.66
1.910	-0.898	3.55	64.72
1.920	-0.882	3.35	64.77
1.930	-0.897	3.16	64.82
1.940	-0.911	2.96	64.86
1.950	-0.929	2.75	64.90
1.960	-0.946	2.55	64.94
1.970	-0.960	2.34	64.98
1.980	-0.954	2.13	65.01
1.990	-0.947	1.92	65.04
2.000	-0.952	1.71	65.07
2.010	-0.958	1.50	65.09
2.020	-0.964	1.29	65.11
2.030	-0.969	1.08	65.13
2.040	-0.975	0.86	65.14
2.050	-0.982	0.65	65.15
2.060	-0.988	0.43	65.16
2.070	-0.982	0.21	65.16
2.080	-0.976	0.00	65.17
2.090	-0.961	0.00	65.17
2.100	-0.937	0.00	65.17
2.110	-0.912	0.00	65.17
2.120	-0.865	0.00	65.17
2.130	-0.817	0.00	65.17
2.140	-0.735	0.00	65.17
2.150	-0.653	0.00	65.17
2.160	-0.572	0.00	65.17
2.170	-0.479	0.00	65.17
2.180	-0.388	0.00	65.17
2.190	-0.301	0.00	65.17
2.200	-0.206	0.00	65.17
2.210	-0.137	0.00	65.17
2.220	0.156	0.00	65.17
2.230	0.278	0.00	65.17



TEMPE POLICE DEPARTMENT

General Offense Report

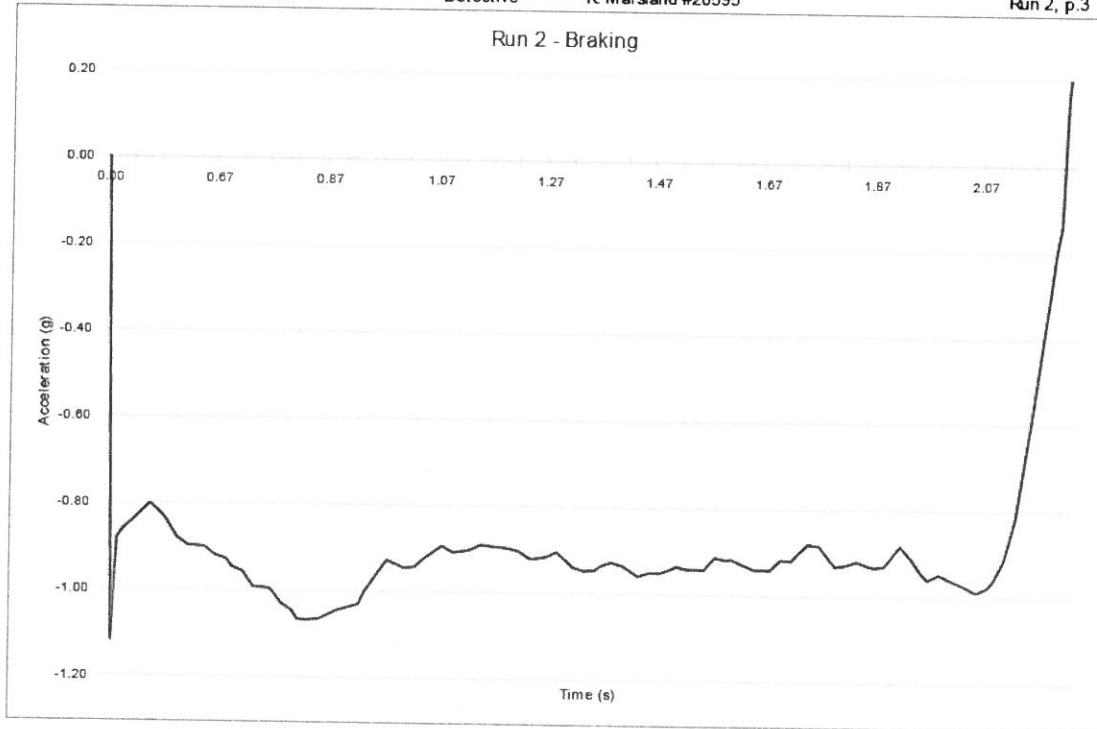
GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Case# 18-32694

Detective K Marsland #20595

Run 2, p.3



Avg. Accel -0.911



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - SKID TESTING RUN 3B

Run Number 3
 Run Length 2.26
 Run Date/Time Thursday, March 22, 2018 10 25 PM
 Vehicle
 Location
 Notes

Time Secs	Accel G	Speed MPH	Dist ft.
0 000	0.000	42.33	0.00
0 010	-0.512	42.22	0.62
0 020	-0.420	42.13	1.24
0 030	-0.424	42.04	1.86
0 040	-0.445	41.94	2.47
0 050	-0.447	41.84	3.09
0 060	-0.497	41.73	3.70
0 070	-0.546	41.61	4.31
0 080	-0.582	41.48	4.92
0 090	-0.618	41.35	5.53
0 100	-0.670	41.20	6.13
0 110	-0.722	41.04	6.74
0 120	-0.774	40.87	7.34
0 130	-0.786	40.70	7.93
0 140	-0.799	40.52	8.53
0 150	-0.816	40.35	9.12
0 160	-0.834	40.16	9.71
0 170	-0.867	39.97	10.30
0 180	-0.888	39.78	10.89
0 190	-0.909	39.58	11.47
0 200	-0.936	39.37	12.05
0 210	-0.963	39.16	12.62
0 220	-0.991	38.94	13.20
0 230	-1.019	38.72	13.76
0 240	-1.048	38.49	14.33
0 250	-1.061	38.26	14.89
0 260	-1.074	38.02	15.45
0 270	-1.061	37.79	16.01
0 280	-1.048	37.56	16.56
0 290	-1.039	37.33	17.11
0 300	-1.034	37.11	17.66
0 310	-1.028	36.88	18.20
0 320	-1.024	36.65	18.74
0 330	-1.021	36.43	19.27
0 340	-1.015	36.21	19.81
0 350	-1.010	35.99	20.34
0 360	-1.005	35.77	20.86



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

0 370	-0.989	35.55	21.39
0 380	-0.974	35.34	21.91
0 390	-0.946	35.13	22.42
0.400	-0.917	34.93	22.94
0.410	-0.882	34.73	23.45
0.420	-0.868	34.54	23.96
0.430	-0.855	34.36	24.46
0.440	-0.855	34.17	24.96
0.450	-0.855	33.98	25.46
0.460	-0.863	33.79	25.96
0.470	-0.870	33.60	26.45
0.480	-0.878	33.41	26.95
0.490	-0.868	33.22	27.43
0 500	-0.858	33.03	27.92
0 510	-0.842	32.84	28.40
0 520	-0.825	32.66	28.88
0 530	-0.807	32.49	29.36
0 540	-0.799	32.31	29.84
0 550	-0.792	32.14	30.31
0 560	-0.808	31.96	30.78
0 570	-0.824	31.78	31.25
0 580	-0.844	31.59	31.71
0 590	-0.864	31.40	32.17
0.600	-0.884	31.21	32.63
0.610	-0.893	31.01	33.09
0.620	-0.902	30.82	33.54
0.630	-0.902	30.62	33.99
0.640	-0.902	30.42	34.44
0.650	-0.912	30.22	34.88
0.660	-0.914	30.02	35.33
0.670	-0.918	29.82	35.77
0.680	-0.937	29.61	36.20
0.690	-0.957	29.40	36.63
0.700	-0.969	29.19	37.06
0.710	-0.981	28.98	37.49
0.720	-0.993	28.76	37.91
0.730	-1.004	28.54	38.33
0.740	-1.015	28.31	38.75
0.750	-1.018	28.09	39.16
0.760	-1.022	27.87	39.57
0.770	-1.033	27.64	39.98
0.780	-1.033	27.41	40.39
0.790	-1.034	27.19	40.79
0 800	-1.040	26.96	41.18
0 810	-1.047	26.73	41.58
0 820	-1.053	26.50	41.97
0 830	-1.058	26.27	42.35



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

0 840	-1.064	26.03	42.74
0 850	-1.060	25.80	43.12
0 860	-1.057	25.57	43.49
0 870	-1.045	25.34	43.87
0 880	-1.033	25.11	44.24
0 890	-1.020	24.89	44.60
0 900	-1.017	24.67	44.97
0 910	-1.013	24.44	45.33
0 920	-1.010	24.22	45.68
0 930	-1.007	24.00	46.04
0 940	-0.999	23.78	46.39
0 950	-0.991	23.56	46.74
0 960	-0.983	23.35	47.08
0 970	-0.969	23.14	47.42
0 980	-0.955	22.93	47.76
0 990	-0.943	22.72	48.09
1 000	-0.931	22.52	48.42
1 010	-0.907	22.32	48.75
1 020	-0.892	22.12	49.08
1 030	-0.877	21.93	49.40
1 040	-0.887	21.73	49.72
1 050	-0.897	21.54	50.04
1 060	-0.900	21.34	50.35
1 070	-0.903	21.14	50.67
1 080	-0.907	20.94	50.97
1 090	-0.902	20.75	51.28
1.100	-0.898	20.55	51.58
1.110	-0.901	20.35	51.88
1.120	-0.904	20.15	52.18
1.130	-0.915	19.95	52.47
1.140	-0.913	19.75	52.77
1.150	-0.910	19.55	53.05
1.160	-0.929	19.35	53.34
1.170	-0.948	19.14	53.62
1.180	-0.949	18.93	53.90
1.190	-0.950	18.72	54.18
1 200	-0.951	18.51	54.45
1 210	-0.952	18.31	54.72
1 220	-0.954	18.10	54.99
1 230	-0.960	17.89	55.25
1 240	-0.966	17.67	55.51
1 250	-0.983	17.46	55.77
1 260	-0.990	17.24	56.02
1 270	-0.997	17.02	56.27
1 280	-1.002	16.80	56.52
1 290	-1.007	16.58	56.77
1 300	-0.998	16.36	57.01



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 310	-0.989	16.15	57.25
1 320	-0.999	15.93	57.48
1 330	-1.014	15.70	57.71
1 340	-1.030	15.48	57.94
1 350	-1.037	15.25	58.17
1 360	-1.044	15.02	58.39
1 370	-1.029	14.80	58.61
1 380	-1.015	14.57	58.82
1 390	-1.001	14.35	59.04
1.400	-1.000	14.13	59.25
1.410	-0.999	13.92	59.45
1.420	-0.996	13.70	59.65
1.430	-0.993	13.48	59.85
1.440	-0.997	13.26	60.05
1.450	-0.999	13.04	60.24
1.460	-1.002	12.82	60.43
1.470	-0.999	12.60	60.62
1.480	-0.996	12.38	60.80
1.490	-0.981	12.17	60.98
1 500	-0.966	11.96	61.16
1 510	-0.950	11.75	61.33
1 520	-0.940	11.54	61.50
1 530	-0.930	11.34	61.67
1 540	-0.936	11.13	61.84
1 550	-0.943	10.93	62.00
1 560	-0.944	10.72	62.16
1 570	-0.949	10.51	62.31
1 580	-0.955	10.30	62.46
1 590	-0.945	10.09	62.61
1.600	-0.936	9.89	62.76
1.610	-0.933	9.68	62.90
1.620	-0.931	9.48	63.04
1.630	-0.929	9.28	63.18
1.640	-0.919	9.07	63.32
1.650	-0.909	8.87	63.45
1.660	-0.896	8.68	63.58
1.670	-0.883	8.48	63.70
1.680	-0.873	8.29	63.83
1.690	-0.874	8.10	63.95
1.700	-0.875	7.91	64.06
1.710	-0.889	7.71	64.18
1.720	-0.903	7.52	64.29
1.730	-0.912	7.32	64.40
1.740	-0.922	7.11	64.50
1.750	-0.932	6.91	64.61
1.760	-0.933	6.70	64.71
1.770	-0.935	6.50	64.80



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1.780	-0.938	6.29	64.90
1.790	-0.942	6.09	64.99
1.800	-0.957	5.88	65.08
1.810	-0.968	5.66	65.16
1.820	-0.980	5.45	65.24
1.830	-0.982	5.23	65.32
1.840	-0.985	5.02	65.40
1.850	-0.976	4.80	65.47
1.860	-0.968	4.59	65.54
1.870	-0.959	4.38	65.60
1.880	-0.958	4.17	65.66
1.890	-0.958	3.96	65.72
1.900	-0.954	3.75	65.78
1.910	-0.950	3.54	65.83
1.920	-0.934	3.34	65.89
1.930	-0.916	3.14	65.93
1.940	-0.898	2.94	65.98
1.950	-0.903	2.74	66.02
1.960	-0.909	2.54	66.06
1.970	-0.935	2.34	66.09
1.980	-0.961	2.13	66.13
1.990	-0.988	1.91	66.16
2.000	-0.989	1.69	66.18
2.010	-0.990	1.48	66.21
2.020	-0.982	1.26	66.23
2.030	-0.973	1.05	66.24
2.040	-0.961	0.84	66.26
2.050	-0.955	0.63	66.27
2.060	-0.949	0.42	66.27
2.070	-0.952	0.21	66.28
2.080	-0.956	0.00	66.28
2.090	-0.948	0.00	66.28
2.100	-0.940	0.00	66.28
2.110	-0.933	0.00	66.28
2.120	-0.901	0.00	66.28
2.130	-0.870	0.00	66.28
2.140	-0.826	0.00	66.28
2.150	-0.782	0.00	66.28
2.160	-0.693	0.00	66.28
2.170	-0.622	0.00	66.28
2.180	-0.553	0.00	66.28
2.190	-0.469	0.00	66.28
2.200	-0.386	0.00	66.28
2.210	-0.308	0.00	66.28
2.220	-0.233	0.00	66.28
2.230	-0.170	0.00	66.28



TEMPE POLICE DEPARTMENT

General Offense Report

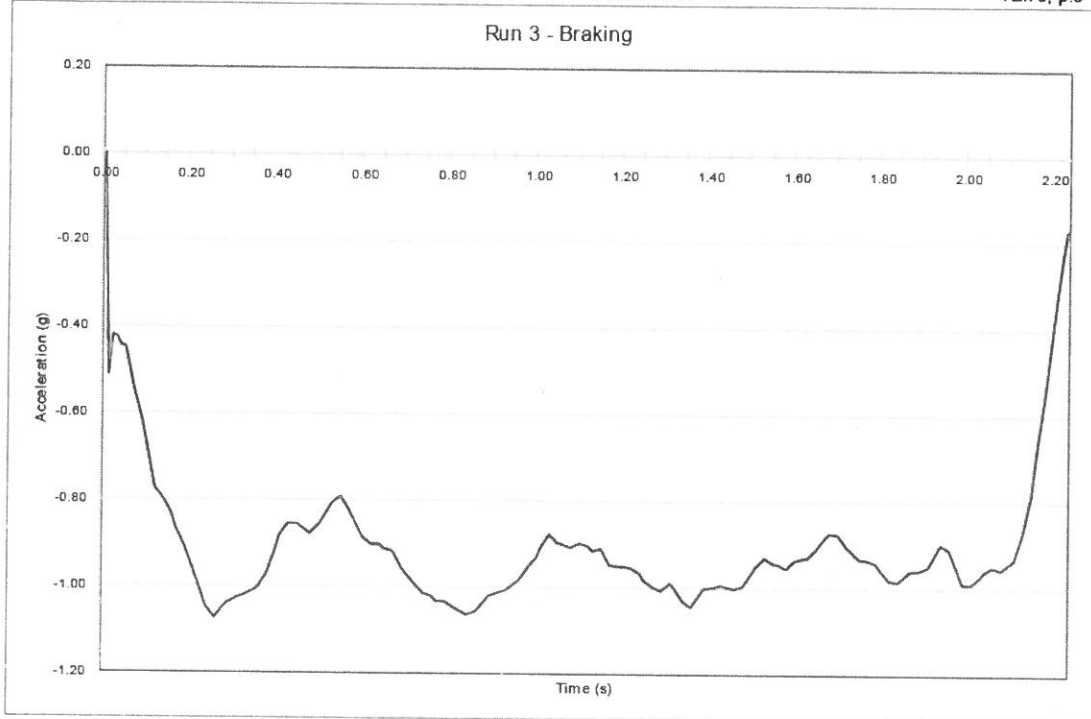
GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Case# 18-32694

Detective K. Marsland #20595

Run 3, p.3



Avg. Accel -0.926



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - SKID TESTING RUN 4B

Run Number 4
 Run Length 2.25
 Run Date/ Time Thursday, March 22, 2018 10 27 PM
 Vehicle
 Location
 Notes

Time Secs	Accel G	Speed M PH	Dist ft.
0 000	0.000	42.90	0.00
0 010	-0.302	42.83	0.63
0 020	-0.350	42.75	1.26
0 030	-0.355	42.67	1.88
0 040	-0.367	42.59	2.51
0 050	-0.411	42.50	3.13
0 060	-0.456	42.40	3.75
0 070	-0.503	42.29	4.38
0 080	-0.552	42.17	5.00
0 090	-0.603	42.04	5.61
0.100	-0.643	41.90	6.23
0.110	-0.684	41.75	6.84
0.120	-0.709	41.59	7.45
0.130	-0.733	41.43	8.06
0.140	-0.758	41.27	8.67
0.150	-0.762	41.10	9.27
0.160	-0.767	40.93	9.87
0.170	-0.811	40.75	10.47
0.180	-0.856	40.56	11.07
0.190	-0.902	40.37	11.66
0 200	-0.930	40.16	12.25
0 210	-0.957	39.95	12.84
0 220	-0.977	39.74	13.43
0 230	-0.997	39.52	14.01
0 240	-1.013	39.30	14.58
0 250	-1.030	39.07	15.16
0 260	-1.047	38.84	15.73
0 270	-1.044	38.61	16.30
0 280	-1.042	38.38	16.86
0 290	-1.041	38.16	17.42
0 300	-1.040	37.93	17.98
0 310	-1.050	37.70	18.54
0 320	-1.062	37.46	19.09
0 330	-1.075	37.23	19.64
0 340	-1.087	36.99	20.18
0 350	-1.100	36.75	20.72
0 360	-1.087	36.51	21.26



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

0 370	-1.073	36.28	21.79
0 380	-1.060	36.04	22.32
0 390	-1.046	35.81	22.85
0.400	-1.033	35.59	23.37
0.410	-0.999	35.37	23.89
0.420	-0.965	35.16	24.41
0.430	-0.944	34.95	24.92
0.440	-0.925	34.75	25.44
0.450	-0.906	34.55	25.94
0.460	-0.915	34.35	26.45
0.470	-0.925	34.14	26.95
0.480	-0.928	33.94	27.45
0.490	-0.931	33.74	27.95
0 500	-0.917	33.53	28.44
0 510	-0.912	33.33	28.93
0 520	-0.908	33.14	29.42
0 530	-0.895	32.94	29.90
0 540	-0.883	32.75	30.38
0 550	-0.876	32.55	30.86
0 560	-0.870	32.36	31.34
0 570	-0.864	32.17	31.81
0 580	-0.866	31.98	32.28
0 590	-0.869	31.79	32.75
0.600	-0.886	31.60	33.22
0.610	-0.904	31.40	33.68
0.620	-0.920	31.20	34.14
0.630	-0.924	31.00	34.59
0.640	-0.929	30.79	35.05
0.650	-0.935	30.59	35.50
0.660	-0.942	30.38	35.94
0.670	-0.946	30.17	36.39
0.680	-0.950	29.96	36.83
0.690	-0.955	29.75	37.27
0.700	-0.960	29.54	37.70
0.710	-0.965	29.33	38.13
0.720	-0.972	29.12	38.56
0.730	-0.980	28.90	38.99
0.740	-0.995	28.69	39.41
0.750	-1.002	28.47	39.83
0.760	-1.010	28.24	40.24
0.770	-1.014	28.02	40.66
0.780	-1.019	27.80	41.07
0.790	-1.018	27.57	41.47
0 800	-1.018	27.35	41.87
0 810	-1.017	27.13	42.27
0 820	-1.019	26.90	42.67
0 830	-1.021	26.68	43.06



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

0 840	-1.022	26.46	43.45
0 850	-1.023	26.23	43.84
0 860	-1.020	26.01	44.22
0 870	-1.017	25.79	44.60
0 880	-1.014	25.56	44.98
0 890	-1.012	25.34	45.35
0 900	-1.009	25.12	45.72
0 910	-0.997	24.90	46.09
0 920	-0.986	24.68	46.45
0 930	-0.974	24.47	46.81
0 940	-0.965	24.26	47.17
0 950	-0.955	24.05	47.52
0 960	-0.955	23.84	47.88
0 970	-0.955	23.63	48.22
0 980	-0.952	23.42	48.57
0 990	-0.945	23.21	48.91
1 000	-0.939	23.01	49.25
1 010	-0.944	22.80	49.59
1 020	-0.950	22.59	49.92
1 030	-0.937	22.39	50.25
1 040	-0.924	22.18	50.58
1 050	-0.912	21.98	50.90
1 060	-0.903	21.79	51.22
1 070	-0.894	21.59	51.54
1 080	-0.913	21.39	51.85
1 090	-0.933	21.19	52.17
1.100	-0.936	20.98	52.48
1.110	-0.927	20.78	52.78
1.120	-0.918	20.58	53.08
1.130	-0.904	20.38	53.39
1.140	-0.890	20.18	53.68
1.150	-0.905	19.98	53.98
1.160	-0.920	19.78	54.27
1.170	-0.935	19.58	54.56
1.180	-0.936	19.37	54.84
1.190	-0.938	19.17	55.13
1 200	-0.930	18.96	55.41
1 210	-0.922	18.76	55.68
1 220	-0.916	18.56	55.96
1 230	-0.921	18.36	56.23
1 240	-0.925	18.15	56.49
1 250	-0.927	17.95	56.76
1 260	-0.929	17.75	57.02
1 270	-0.933	17.54	57.28
1 280	-0.937	17.34	57.53
1 290	-0.941	17.13	57.79
1 300	-0.939	16.92	58.04



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 310	-0.937	16.72	58.28
1 320	-0.938	16.51	58.53
1 330	-0.939	16.31	58.77
1 340	-0.935	16.10	59.01
1 350	-0.936	15.90	59.24
1 360	-0.937	15.69	59.47
1 370	-0.936	15.49	59.70
1 380	-0.936	15.28	59.93
1 390	-0.940	15.07	60.15
1.400	-0.945	14.87	60.37
1.410	-0.949	14.66	60.59
1.420	-0.953	14.45	60.80
1.430	-0.958	14.24	61.01
1.440	-0.959	14.03	61.22
1.450	-0.960	13.82	61.42
1.460	-0.964	13.61	61.62
1.470	-0.962	13.40	61.82
1.480	-0.961	13.18	62.01
1.490	-0.960	12.97	62.21
1 500	-0.959	12.76	62.40
1 510	-0.959	12.55	62.58
1 520	-0.959	12.34	62.76
1 530	-0.959	12.13	62.94
1 540	-0.954	11.92	63.12
1 550	-0.949	11.72	63.29
1 560	-0.943	11.51	63.46
1 570	-0.936	11.30	63.63
1 580	-0.929	11.10	63.79
1 590	-0.929	10.90	63.96
1.600	-0.929	10.69	64.11
1.610	-0.931	10.49	64.27
1.620	-0.934	10.28	64.42
1.630	-0.940	10.08	64.57
1.640	-0.947	9.87	64.72
1.650	-0.954	9.66	64.86
1.660	-0.946	9.45	65.00
1.670	-0.938	9.25	65.14
1.680	-0.930	9.04	65.27
1.690	-0.922	8.84	65.40
1.700	-0.920	8.64	65.53
1.710	-0.929	8.43	65.66
1.720	-0.938	8.23	65.78
1.730	-0.935	8.02	65.90
1.740	-0.931	7.82	66.01
1.750	-0.924	7.62	66.13
1.760	-0.916	7.42	66.24
1.770	-0.908	7.22	66.34



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1.780	-0.920	7.01	66.45
1.790	-0.932	6.81	66.55
1.800	-0.927	6.61	66.65
1.810	-0.922	6.40	66.74
1.820	-0.931	6.20	66.84
1.830	-0.930	6.00	66.93
1.840	-0.929	5.79	67.01
1.850	-0.935	5.59	67.10
1.860	-0.940	5.38	67.18
1.870	-0.938	5.17	67.25
1.880	-0.936	4.97	67.33
1.890	-0.935	4.76	67.40
1.900	-0.937	4.56	67.47
1.910	-0.940	4.35	67.53
1.920	-0.933	4.15	67.60
1.930	-0.926	3.94	67.65
1.940	-0.912	3.74	67.71
1.950	-0.903	3.55	67.76
1.960	-0.893	3.35	67.82
1.970	-0.887	3.16	67.86
1.980	-0.881	2.96	67.91
1.990	-0.873	2.77	67.95
2.000	-0.866	2.58	67.99
2.010	-0.860	2.39	68.03
2.020	-0.868	2.20	68.06
2.030	-0.875	2.01	68.09
2.040	-0.888	1.82	68.12
2.050	-0.902	1.62	68.14
2.060	-0.915	1.42	68.17
2.070	-0.913	1.22	68.19
2.080	-0.911	1.02	68.20
2.090	-0.922	0.82	68.22
2.100	-0.934	0.61	68.23
2.110	-0.931	0.41	68.23
2.120	-0.927	0.20	68.24
2.130	-0.924	0.00	68.24
2.140	-0.882	0.00	68.24
2.150	-0.840	0.00	68.24
2.160	-0.763	0.00	68.24
2.170	-0.686	0.00	68.24
2.180	-0.567	0.00	68.24
2.190	-0.475	0.00	68.24
2.200	-0.385	0.00	68.24
2.210	-0.309	0.00	68.24
2.220	-0.231	0.00	68.24
2.230	-0.181	0.00	68.24



TEMPE POLICE DEPARTMENT

General Offense Report

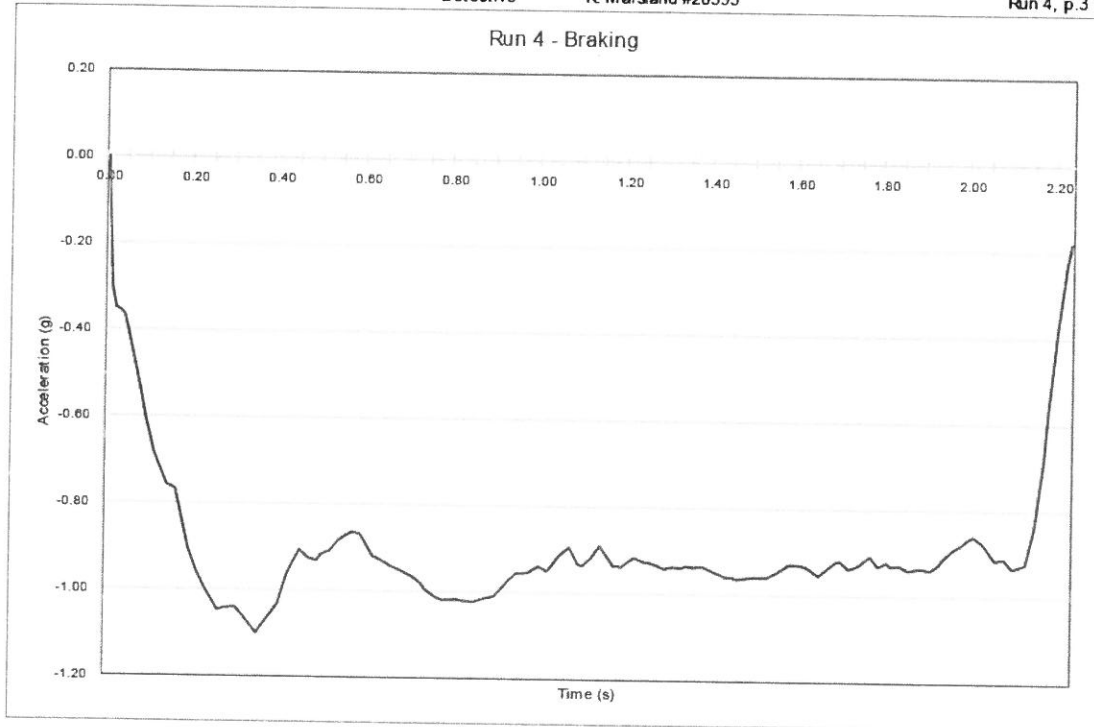
GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Case# 18-32694

Detective K. Marsland #20595

Run 4, p.3



Avg. Accel -0.918



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - SKID TESTING RUN 5B1

Run Number 5
 Run Length 2.23
 Run Date/ Time Thursday, March 22, 2018 10 29 PM
 Vehicle
 Location
 Notes

Time Secs	Accel G	Speed MPH	Dist ft.
0.000	0.000	41.77	0.00
0.010	-0.487	41.66	0.61
0.020	-0.335	41.59	1.22
0.030	-0.380	41.50	1.83
0.040	-0.413	41.41	2.44
0.050	-0.470	41.31	3.05
0.060	-0.527	41.19	3.65
0.070	-0.584	41.06	4.25
0.080	-0.608	40.93	4.86
0.090	-0.632	40.79	5.46
0.100	-0.674	40.64	6.05
0.110	-0.716	40.49	6.65
0.120	-0.788	40.32	7.24
0.130	-0.817	40.14	7.83
0.140	-0.847	39.95	8.42
0.150	-0.881	39.76	9.00
0.160	-0.916	39.56	9.58
0.170	-0.937	39.35	10.16
0.180	-0.957	39.14	10.74
0.190	-0.979	38.93	11.31
0.200	-1.002	38.71	11.88
0.210	-1.025	38.48	12.45
0.220	-1.049	38.25	13.01
0.230	-1.074	38.02	13.57
0.240	-1.097	37.77	14.12
0.250	-1.111	37.53	14.68
0.260	-1.125	37.28	15.22
0.270	-1.122	37.04	15.77
0.280	-1.119	36.79	16.31
0.290	-1.111	36.55	16.85
0.300	-1.103	36.31	17.38
0.310	-1.095	36.07	17.91
0.320	-1.084	35.83	18.44
0.330	-1.073	35.59	18.96
0.340	-1.056	35.36	19.48
0.350	-1.039	35.13	20.00
0.360	-1.010	34.91	20.52
0.370	-0.985	34.70	21.03



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

0.380	-0.960	34.49	21.53
0.390	-0.950	34.28	22.04
0.400	-0.942	34.07	22.54
0.410	-0.935	33.87	23.04
0.420	-0.928	33.66	23.53
0.430	-0.921	33.46	24.02
0.440	-0.892	33.27	24.51
0.450	-0.862	33.08	25.00
0.460	-0.847	32.89	25.48
0.470	-0.832	32.71	25.97
0.480	-0.821	32.53	26.44
0.490	-0.831	32.35	26.92
0.500	-0.841	32.16	27.39
0.510	-0.839	31.98	27.86
0.520	-0.836	31.79	28.33
0.530	-0.835	31.61	28.80
0.540	-0.835	31.43	29.26
0.550	-0.834	31.24	29.72
0.560	-0.835	31.06	30.17
0.570	-0.837	30.88	30.63
0.580	-0.836	30.69	31.08
0.590	-0.835	30.51	31.53
0.600	-0.841	30.33	31.97
0.610	-0.852	30.14	32.42
0.620	-0.863	29.95	32.86
0.630	-0.871	29.76	33.30
0.640	-0.879	29.57	33.73
0.650	-0.887	29.37	34.16
0.660	-0.896	29.18	34.59
0.670	-0.905	28.98	35.02
0.680	-0.918	28.78	35.44
0.690	-0.932	28.57	35.86
0.700	-0.945	28.36	36.28
0.710	-0.958	28.15	36.70
0.720	-0.973	27.94	37.11
0.730	-0.981	27.72	37.52
0.740	-0.990	27.51	37.92
0.750	-0.993	27.29	38.32
0.760	-0.996	27.07	38.72
0.770	-1.002	26.85	39.12
0.780	-1.008	26.63	39.51
0.790	-1.014	26.41	39.90
0.800	-1.018	26.19	40.28
0.810	-1.022	25.96	40.67
0.820	-1.024	25.74	41.04
0.830	-1.026	25.51	41.42
0.840	-1.021	25.29	41.79



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

0.850	-1.017	25.06	42.16
0.860	-1.013	24.84	42.53
0.870	-1.003	24.62	42.89
0.880	-0.994	24.40	43.25
0.890	-0.992	24.19	43.61
0.900	-0.990	23.97	43.96
0.910	-0.987	23.75	44.31
0.920	-0.981	23.54	44.66
0.930	-0.976	23.32	45.00
0.940	-0.960	23.11	45.34
0.950	-0.944	22.91	45.68
0.960	-0.926	22.70	46.01
0.970	-0.914	22.50	46.34
0.980	-0.901	22.30	46.67
0.990	-0.905	22.11	47.00
1.000	-0.910	21.91	47.32
1.010	-0.912	21.71	47.64
1.020	-0.915	21.51	47.96
1.030	-0.918	21.30	48.27
1.040	-0.903	21.11	48.58
1.050	-0.888	20.91	48.89
1.060	-0.888	20.72	49.20
1.070	-0.887	20.52	49.50
1.080	-0.876	20.33	49.80
1.090	-0.877	20.14	50.10
1.100	-0.878	19.94	50.39
1.110	-0.856	19.76	50.68
1.120	-0.835	19.57	50.97
1.130	-0.858	19.39	51.25
1.140	-0.881	19.19	51.54
1.150	-0.904	18.99	51.82
1.160	-0.914	18.79	52.09
1.170	-0.924	18.59	52.37
1.180	-0.922	18.39	52.64
1.190	-0.921	18.19	52.91
1.200	-0.907	17.99	53.17
1.210	-0.916	17.79	53.44
1.220	-0.925	17.58	53.69
1.230	-0.925	17.38	53.95
1.240	-0.924	17.18	54.20
1.250	-0.935	16.97	54.46
1.260	-0.945	16.77	54.70
1.270	-0.955	16.56	54.95
1.280	-0.951	16.35	55.19
1.290	-0.947	16.14	55.43
1.300	-0.950	15.93	55.66
1.310	-0.954	15.72	55.89



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1.320	-0.959	15.51	56.12
1.330	-0.967	15.30	56.35
1.340	-0.976	15.09	56.57
1.350	-0.976	14.87	56.79
1.360	-0.976	14.66	57.01
1.370	-0.978	14.44	57.22
1.380	-0.980	14.23	57.43
1.390	-0.983	14.01	57.64
1.400	-0.983	13.80	57.84
1.410	-0.983	13.58	58.04
1.420	-0.978	13.37	58.24
1.430	-0.974	13.15	58.44
1.440	-0.967	12.94	58.63
1.450	-0.964	12.73	58.82
1.460	-0.960	12.52	59.00
1.470	-0.957	12.31	59.18
1.480	-0.953	12.10	59.36
1.490	-0.944	11.89	59.54
1.500	-0.936	11.69	59.71
1.510	-0.927	11.48	59.88
1.520	-0.923	11.28	60.05
1.530	-0.919	11.08	60.21
1.540	-0.911	10.88	60.37
1.550	-0.902	10.68	60.53
1.560	-0.908	10.48	60.69
1.570	-0.908	10.28	60.84
1.580	-0.909	10.08	60.99
1.590	-0.916	9.88	61.13
1.600	-0.923	9.68	61.28
1.610	-0.914	9.48	61.42
1.620	-0.905	9.28	61.56
1.630	-0.896	9.09	61.69
1.640	-0.887	8.89	61.82
1.650	-0.877	8.70	61.95
1.660	-0.888	8.50	62.08
1.670	-0.899	8.31	62.20
1.680	-0.889	8.11	62.32
1.690	-0.887	7.92	62.44
1.700	-0.884	7.72	62.55
1.710	-0.882	7.53	62.66
1.720	-0.880	7.34	62.77
1.730	-0.887	7.14	62.88
1.740	-0.895	6.95	62.98
1.750	-0.902	6.75	63.08
1.760	-0.899	6.55	63.18
1.770	-0.896	6.35	63.28
1.780	-0.899	6.16	63.37



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1.790	-0.902	5.96	63.46
1.800	-0.917	5.76	63.54
1.810	-0.926	5.55	63.63
1.820	-0.934	5.35	63.71
1.830	-0.940	5.14	63.78
1.840	-0.945	4.94	63.86
1.850	-0.937	4.73	63.93
1.860	-0.930	4.53	63.99
1.870	-0.926	4.32	64.06
1.880	-0.929	4.12	64.12
1.890	-0.932	3.92	64.18
1.900	-0.933	3.71	64.24
1.910	-0.935	3.51	64.29
1.920	-0.938	3.30	64.34
1.930	-0.942	3.09	64.39
1.940	-0.945	2.89	64.43
1.950	-0.950	2.68	64.47
1.960	-0.955	2.47	64.51
1.970	-0.951	2.26	64.54
1.980	-0.948	2.05	64.57
1.990	-0.942	1.84	64.60
2.000	-0.939	1.64	64.63
2.010	-0.936	1.43	64.65
2.020	-0.933	1.23	64.67
2.030	-0.930	1.02	64.69
2.040	-0.933	0.82	64.70
2.050	-0.935	0.61	64.71
2.060	-0.938	0.41	64.72
2.070	-0.934	0.20	64.72
2.080	-0.931	0.00	64.72
2.090	-0.913	0.00	64.72
2.100	-0.895	0.00	64.72
2.110	-0.858	0.00	64.72
2.120	-0.827	0.00	64.72
2.130	-0.796	0.00	64.72
2.140	-0.739	0.00	64.72
2.150	-0.682	0.00	64.72
2.160	-0.600	0.00	64.72
2.170	-0.520	0.00	64.72
2.180	-0.441	0.00	64.72
2.190	-0.354	0.00	64.72
2.200	-0.270	0.00	64.72
2.210	-0.201	0.00	64.72
2.220	-0.136	0.00	64.72
2.230	0.163	0.00	64.72



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

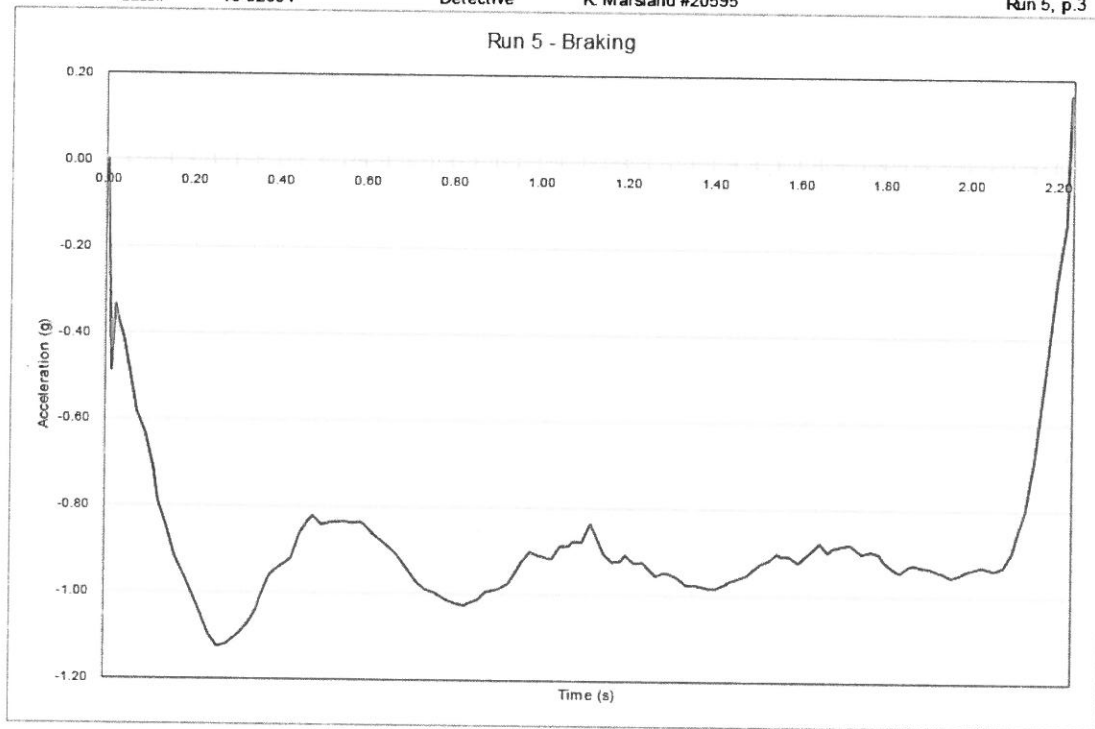
Type: Attachment

Description: KM - SKID TESTING RUN 5B2

Case# 18-32694

Detective K. Marsland #20595

Run 5, p.3



Avg. Accel -0.914



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - VISIBILITY STUDY 1

Case# 18-32694

Detective: K. Marsland #20595

Vehicle	Location	Scene
Year: 2017	City, St.: Tempe, AZ	Date: 3/22/2018
Make: Volvo	Road: Mill Ave	Time: 2000
Model: XC90	Cross: Curry Rd	Surface: Asphalt
Trim: T8	Just: South	Grade %: +1.3%
VIN: [REDACTED]	Direction: Northbound	Dry/Wet: Dry
ABS: Yes	Lane: #2	
Notes: Vehicle is equipped with self-driving system (SDS) proprietary to UBER		

Run#	Speed	Average f
1	40.1	0.932
2	41.6	0.911
3	42.3	0.926
4	42.9	0.918
5	41.7	0.914

* Refer to attached VC4000 data for further details on the information gathered in this testing

Overall
Average
F-value: 0.9202



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - VISIBILITY STUDY 2

Case# 18-32694 Detective: K. Marsland #20595

Visibility Testing

Ped's dist from:

Run #	Distance (ft)	Ped's dist from:		Notes
		West LP	East LP	
Run #1	637.3	51.7'	56.8'	Ped standing still, south side of bike
Run #1	812.3	55.0'	50.6'	Ped standing still, south side of bike
Run #3	818.3	55.0'	50.6'	Ped simulating walking motion, south side of bike
Avg. Dist:		755.97 ft		

Vehicle

Year: 2017
 Make: Volvo
 Model: XC90
 Trim: T8
 VIN: XXXXXXXXXX
 Headlts.: On
 Hi-beam: Off
 Notes: * Vehicle is equipped with self-driving system (SDS) proprietary to UBER

Location

City, St.: Tempe, AZ
 Road: Mill Ave
 Cross: Curry Rd
 Just: South
 Direction: Northbound
 Lane: #2

Scene

Date: 3/22/2018
 Time: 2030
 Surface: Asphalt
 Grade %: +1.3%
 Dry/Wet: Dry
 Weather: Cloudy
 Rain: None

Operator

Name: Detective J. Seal
 Height: 5'07"
 Speed: 5 mph



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

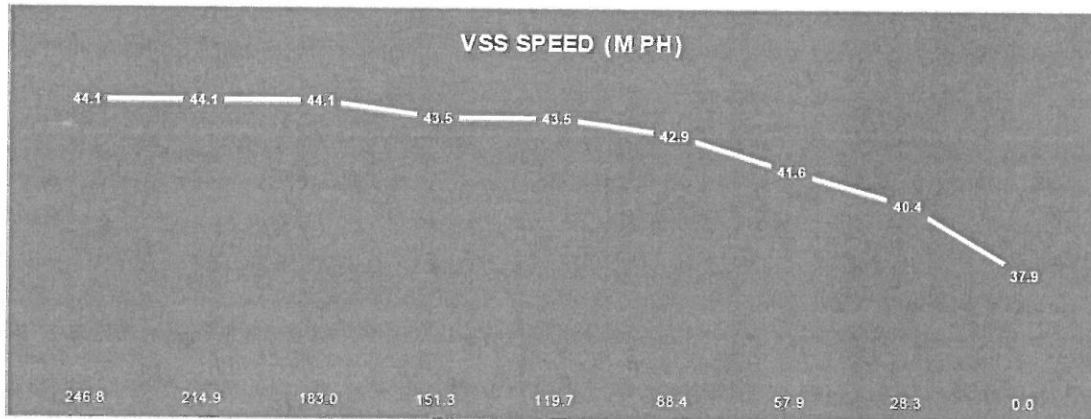
Type: Attachment

Description: KM - VISIBILITY STUDY 3

Case# 18-32694 Detective: K. Marsland #20595

Data From EDR Download

Time to Impact (s)	VSS Speed (mph)	Avg Speed (mph)	Time Seg. (s)	Dist Seg. (ft)	Cum. Dist to impact (ft)
-4.0	44.1	---			246.8
-3.5	44.1	44.1	0.5	31.9	214.9
-3.0	44.1	44.1	0.5	31.9	183.0
-2.5	43.5	43.8	0.5	31.7	151.3
-2.0	43.5	43.8	0.5	31.7	119.7
-1.5	42.9	43.2	0.5	31.2	88.4
-1.0	41.6	42.2	0.5	30.5	57.9
-0.5	40.4	41.0	0.5	29.6	28.3
0.0	37.9	39.1	0.5	28.3	0.0





TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - VISIBILITY STUDY 4

Case# 18-32694 Detective: K. Marland #20595

Avoidability of Crash Based on Actual Driver Reaction Time and Hyzer & Hyzer Approach

	Distance	Adjustment Factor	Result
Adjustment to Median	637.30	0.67	426.99
Adjustment for Expectancy	426.99	0.50	213.50
Adjustment to 15th Percentile	213.50	0.67	143.04

Assigned Speed (From Distance and EDR) Speed: 43.50 mph Distance Required to Stop: 68.54 ft
 Velocity: 63.77 fps

Reaction Time (from dashcam) Time: 0.50 sec

Distance Traveled During P/R Distance: 31.89 ft

Remaining Distance to Impact Distance: 111.16 ft

DOES CRASH OCCUR?? NO

Distance Vehicle Can Stop Prior to Impact: 42.61 ft



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - VISIBILITY STUDY 5

Case# 18-32694 Detective: K. Marsland #20595 p.1

Breakdown of Driver's Eye Movement

** Yellow Highlighted sections show times the vehicle is stopped**

File Name:	UTC20180319_043145.kds			UTC20180319_043446.kds			UTC20180319_043747.kds		
Driver is Looking:	Down	Up	Motion	Down	Up	Motion	Down	Up	Motion
Time (s)	2.2	2.9	NB Mill	9.4	0.5		3.6	3.9	
	5.9	3.9		5.7	5		8	1.4	
	1.4	0.3		9	1.1		2.9	28	
	3.5	4		5.5	1.3		0.5	31.2	
	3.9	8.9		5.1	9	Goes	6.2	7.4	
	6.5	0.5	EB Curry	1.3	2	NB Scotts	1.7	1	
	4.6	1		2.2	0.5		1.4	12.1	
	2.3	0.4		3.9	1		3.5	1.6	
	6	1		1.3	3		1.3	0.9	
	4.2	0.7		1.7	2.8		1.1	39.9	
	2.7	0.7		1.4	8		3.1	1.3	
	3.1	0.7		1	7.9		3.1	3	
	3.1	0.8		0.4	5.4				
	2.1	0.9		1.4	27.3	Stops			
	2.1	0.5		0.2	13	Goes			
	2.5	0.8		1.6	1				
	2.9	13.3		5.6	0.6				
	1.5	2.6		1.1	0.7				
	1.4	15.7		1.6	0.1				
	1.8	1.1		2	1.7				
	0.7	5.8		1.9	3.9				
	3.2	0.5	Stopped	2	0.2				
	3.2	1.6		2.3	0.6				
	4	5.3		0.7	1				
	1.4	5.2		1.2	7.3				
	2.8	0.6		1	2.4				
	2	0.6		1.3	1				
	3	0.6		1.5		NB Drink-water			
	12.4								
Totals:	96.4	80.9		73.3	108.3		36.4	131.7	
Totals when moving:	64.4	66.5		38.6	73.1		36.4	131.7	



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - VISIBILITY STUDY 6

Case# 18-32694 Detective: K. Marsland #20595 p.2

Breakdown of Driver's Eye Movement

File Name:	UTC20180319_044048.kds			UTC20180319_044349.kds			UTC20180319_044560.kds		
Driver is Looking:	Down	Up	Motion	Down	Up	Motion	Down	Up	Motion
Time (s)		5.3			3.6		3.2	0.7	SB Scotts
	1.1	1.5		2.8	12.5	Stops	2.3	13.4	
	1.6	3.1		1.8	0.7		1	2	
	3	0.5		16.9	0.9	Goes	1.7	38.6	
	1.3	24.6		4.7	1.5		1.3	3	Stops
	8.7	1.8	Stops	1.8	1.3		6	1.3	Goes
	1.4	18	Goes	1.9	0.7		1.5	8.7	
	3.2	3.8		4	0.5		2	1.5	
	2	6.5		1.8	19.8	Stops	1.3	0.9	
	2.2	14.6		3.1	0.6	Goes	1	1	
	7.4	14.1	Stops	1.9	0.6		1	0.8	
	1	1.2		3.6	2		0.8	0.7	
	3.2	1		1.9	3.9		2.1	5.4	
	0.5	6.4		1.1	0.9		3.1	15	
	9.8	6.4		1.8	3.4		3.5	36.5	
	4.5	2		1.6	5.1	Stops	2.8	0.6	
	1.4	0.5		12.7	4.6	Goes	3	9	
	1	8		0.9	3	SB Gold-	1		
	0.6	1	Goes	1.7	4	water			
	0.5	5.5	WB Ind.	4.2	4.7				
	1	1.5	School	6	1.5				
				6	1.1				
				3.4	1.3				
				3	0.6				
				1.5	6.9				
				2	1				
Totals:	55.4	127.3		92.1	86.7		38.6	139.1	
Totals when moving:	23.3	85.9		60.7	66.2		31.3	136.1	



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - VISIBILITY STUDY 7

Case# 18-32694

Detective: K. Marsland #20595

p.3

Breakdown of Driver's Eye Movement

File Name:	UTC20180319_044951.kds			UTC20180319_045252.kds			UTC20180319_045552.kds		
Driver is Looking:	Down	Up	Motion	Down	Up	Motion	Down	Up	Motion
Time (s)	1.2	1.5			6			12.4	
	4.6	11.1		1.6	24.2		2.2	4.8	
	1.1	3.2		1.3	10.6		2.1	0.7	
	0.6	4.3		3.2	6.9		2.4	1.3	
	4.6	2.7		1.8	4.5		1.8	0.5	WB Rio
	4	3.5		1.1	6.5		1.8	0.9	
	1.9	1.3		1.3	4.1	Stops	1.6	0.9	
	1.3	2.7		2.8	0.8	at Curry	2.2	4.2	
	3.3	2		6.2	1		2.1	19.5	
	1.8	2.3		2.4	0.9		2.9	17.9	
	7.3	4.6		1.8	4.4		4	8.7	
	4.9	1.3		3	3.5		1.5	2.2	
	4.2	0.8		1.5	9		0.6	29.5	
	0.9	10.5		1.8	0.8		1.3	0.9	NB Mill
	2.4	0.9		3	0.7	Goes	0.9	0.7	
	3.4	1.5		1.5	3.3		1.8	0.4	
	7.1	0.4		1.5	3		2.4	0.8	
	2.4	2.6		1	2.7		3.2	1	
	2.8	0.8		0.7	13.6		7.5	1	
	2.4	3.9		1.4	1.1		3	4	
	1.4	0.8		1.2	9		4.4	5.2	
	1.7	1.4		1	18		4	2.5	
	2.3	4.2					4.2	0.5	Crash
	0.6	10.8	Stops						
	5.8	2.4							
	1.3	2.2							
	6.9	1.4							
	0.6	2.9							
	0.7	0.8	Goes						
	1.9	0.5							
	2.2	2.5							
Totals:	87.6	91.8		41.1	134.6		57.9	120.5	
Totals when moving:	73	82.9		21.6	114.2		57.9	120.5	



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

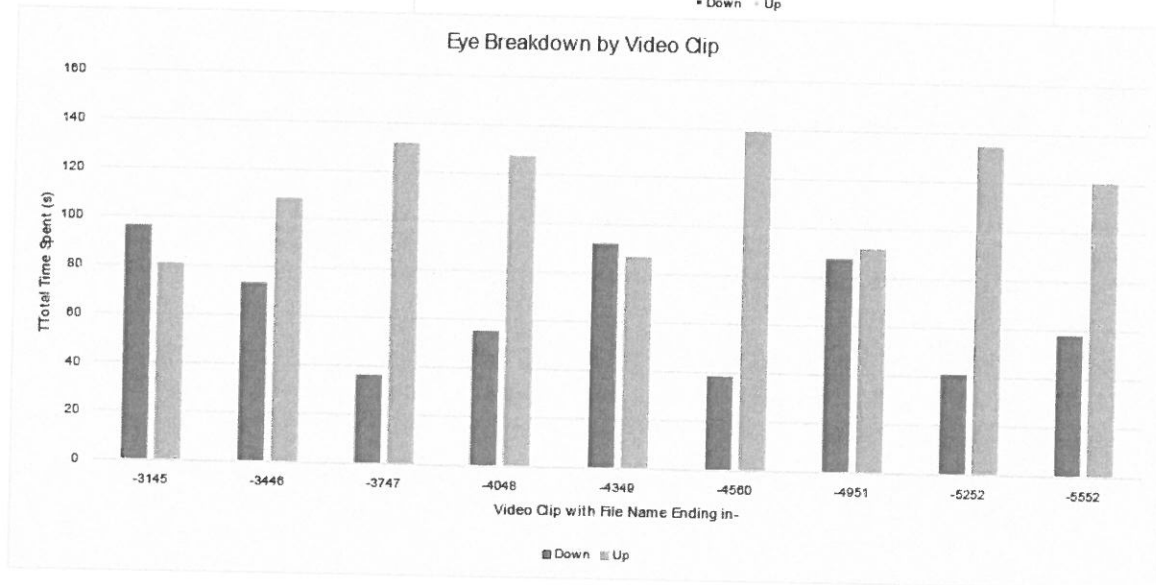
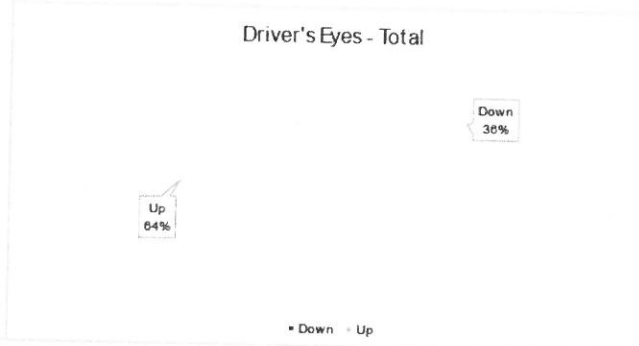
Description: KM - VISIBILITY STUDY 8

Case# 18-32694

Detective: K. Marsland #20595

p.4

Totals		
Clip #	Down	Up
-3145	96.4	80.9
-3446	73.3	108.3
-3747	36.4	131.7
-4048	55.4	127.3
-4349	92.1	86.7
-4560	38.6	139.1
-4951	87.6	91.8
-5252	41.1	134.6
-5552	57.9	120.5
Grand Total:	578.8	1020.9





TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

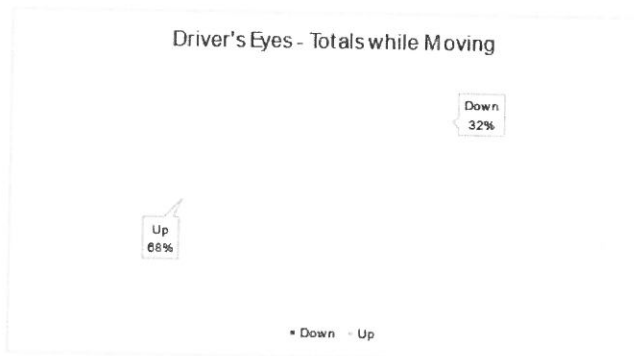
Description: KM - VISIBILITY STUDY 9

Case# 18-32694 Detective: K Marland #20595 p.5

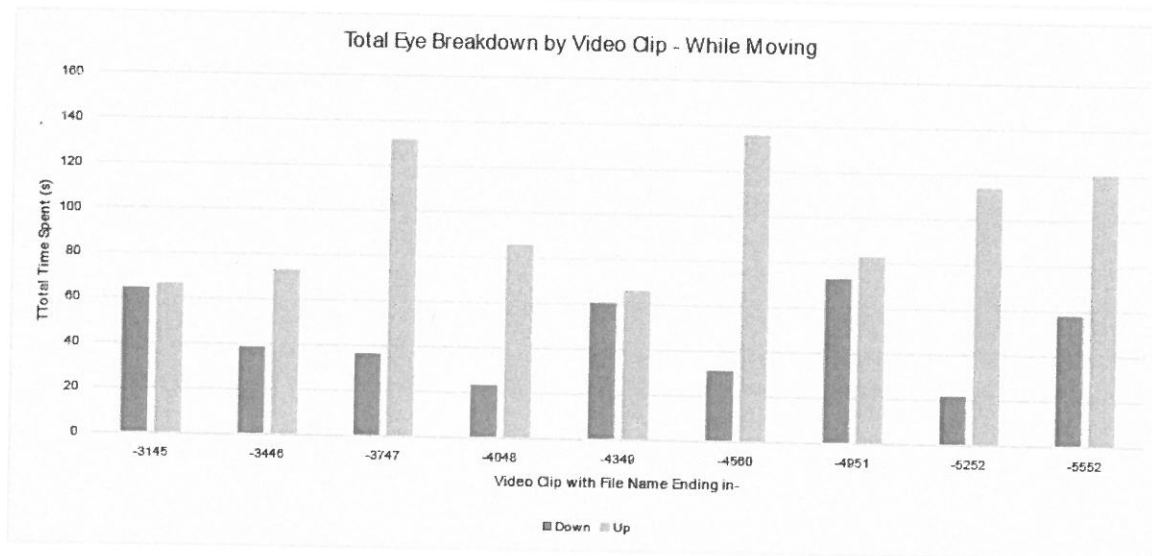
Totals While Moving

Clip #	Down	Up
-3145	64.4	66.5
-3446	38.6	73.1
-3747	36.4	131.7
-4048	23.3	85.9
-4349	60.7	66.2
-4560	31.3	136.1
-4951	73	82.9
-5252	21.6	114.2
-5552	57.9	120.5
Grand Total:	407.2	877.1

Driver's Eyes - Totals while Moving



Total Eye Breakdown by Video Clip - While Moving





TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - VISIBILITY STUDY 10

Case# 18-32694

Detective: K. Marsland #20595

p.6

Distance Traveled - Not Looking
(based on avg. moving speed and time)

	Clip #	Time (s)	Dist (ft)	Dist (mi.)
Start Time (UTC): 4:31:46	-3145	64.4	3068.0	0.58
End Time (UTC): 4:58:50	-3446	38.6	1838.9	0.35
Total Time Elapsed: 1624 sec	-3747	36.4	1734.1	0.33
Time Stopped: 315.4 sec	-4048	23.3	1110.0	0.21
Time Moving: 1308.6 sec	-4349	60.7	2891.7	0.55
Distance Traveled: 62,345 ft	-4560	31.3	1491.1	0.28
Avg. Moving Speed: 47.64 ft/s	-4951	73.0	3477.7	0.66
32.5 mph	-5252	21.6	1029.0	0.19
	-5552	57.9	2758.4	0.52
Total # of times driver looks down: 166	Grand Total:	407.2	19399.0	3.67



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: SCOTTSDALE PD K STROHMEYER SUPPLEMENT



POLICE DEPARTMENT

An Internationally Accredited Police Agency Since 1994

Tempe PD 18-32694
3/20/2018

On 3/20/18, I was requested to respond to the Tempe Police Department Apache Station to assist with the imaging of the Airbag Control Module that was still located in the 2017 Volvo XC90 that was involved in a pedestrian collision causing fatal injuries. I was advised that the collision occurred on 3/18/2018.

I arrived at the Apache Station at approximately 1200 hours. I was met at the gate to the secure lot by Officer McCormick who escorted me to the vehicle bay where the vehicle was located. Officer McCormick advised he had obtained a search warrant granting permission for the imaging

I used the Bosch CDR Tool to access the Airbag Control module through the OBD connection. The CDR software connected to the vehicle and read the VIN directly from the vehicle. The Volvo was then placed in "ON" mode and the imaging of the data contained on the airbag control module was completed without issue.

The CDR File was saved to disk at 1220 hours and a .pdf file was created at the same time. The CDR File showed there was 1 Event recovered.

I then disconnected the CDR Tool from the vehicle.

I obtained a USB Drive from Officer McCormick and transferred two files:
YV4BC0PL5H1149667_ACM.CDRx
YV4BC0PL5H1149667_ACM.pdf
to that USB Drive.

This concluded my involvement in the matter.

K. Strohmeyer #831

7601 E. McKellips Rd, Scottsdale AZ 85257

480.312.2078



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



Report Number: 18-32694

TEMPE POLICE DEPARTMENT PROPERTY FIELD RELEASE SUPPLEMENT

The following property has been released by Officer/Detective: T. Haubold #11638

ITEM #:	DESCRIPTION:
1	GREEN AND YELLOW BAG WITH PERSONAL BELONGINGS.
2	BLACK BAG WITH PERSONAL BELONGINGS.

I have received the above listed property

Sharon S. Daly
Printed Name

Signature
March 28, 2018
Date

Page 1 of 1



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: TFMRD PRE-HOSPITAL CARE REPORT

Name: Doe, Jane
Incident Number: 18103021
Incident Date/Time: 03/18/2018 22:02:18

18-32694

TFMRD Pre-Hospital Care Report (Full Report)

Patient Information

Name: Doe, Jane	Age: 45 Years	D.O.B.: Unable to Complete
Address: , Not Recorded	Race: White	Gender: Female

Patient Email Addresses

Patient's Email Address: None@none

Is the patient homeless?: Yes

Is the patient an ASU student?: Unknown

Is the patient a Veteran?: Unknown

Narrative

Patient Complaint/ Provider Impression

Primary Symptom: Death

Alcohol/Drug Use Indicators: Unable to Complete

Barriers to Patient Care: None Noted

Provider's Primary Impression: Cardiac Arrest

Cardiac Arrest

Date/Time of Cardiac Arrest: 03/18/2018 22:02:02	Cardiac Arrest Etiology: Trauma	Arrest Witnessed By: Witnessed by Lay Person
--	---------------------------------	--

CPR Care Provided Prior to EMS Arrival: No

AED Use Prior to EMS Arrival: No

Resuscitation Attempted By EMS: Initiated Chest Compressions, Attempted Ventilation

First Monitored Arrest Rhythm: Asystole

ROSC: No

Type of CPR Provided: CPR

Page 1 of 13



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

18-32694

Name: Doe, Jane

Incident Number: 18103021

Incident Date/Time: 03/18/2018 22:02:18

End of EMS Ongoing
Cardiac Arrest Resuscitation
Event: in ED

S.T.E.M.I.

STEMI Probable?

12 Lead ECG Used?

12 Lead ECG Interpreted By

No

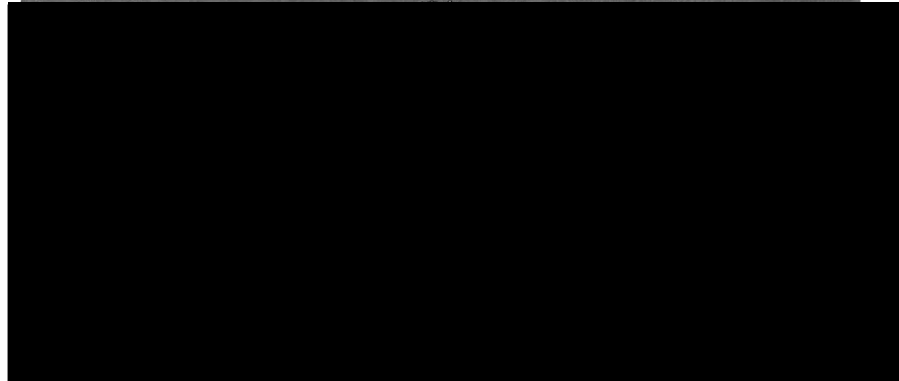
No

Paramedic

Injury Information

Cause of Injury: 962 w/ Pedestrian (Car, MVA)

Vehicular, Pedestrian, Auto v. Pedestrian/Bicyclist Thrown,
or Other Injury Risk Run Over, or > 20 MPH Impact
Factor:





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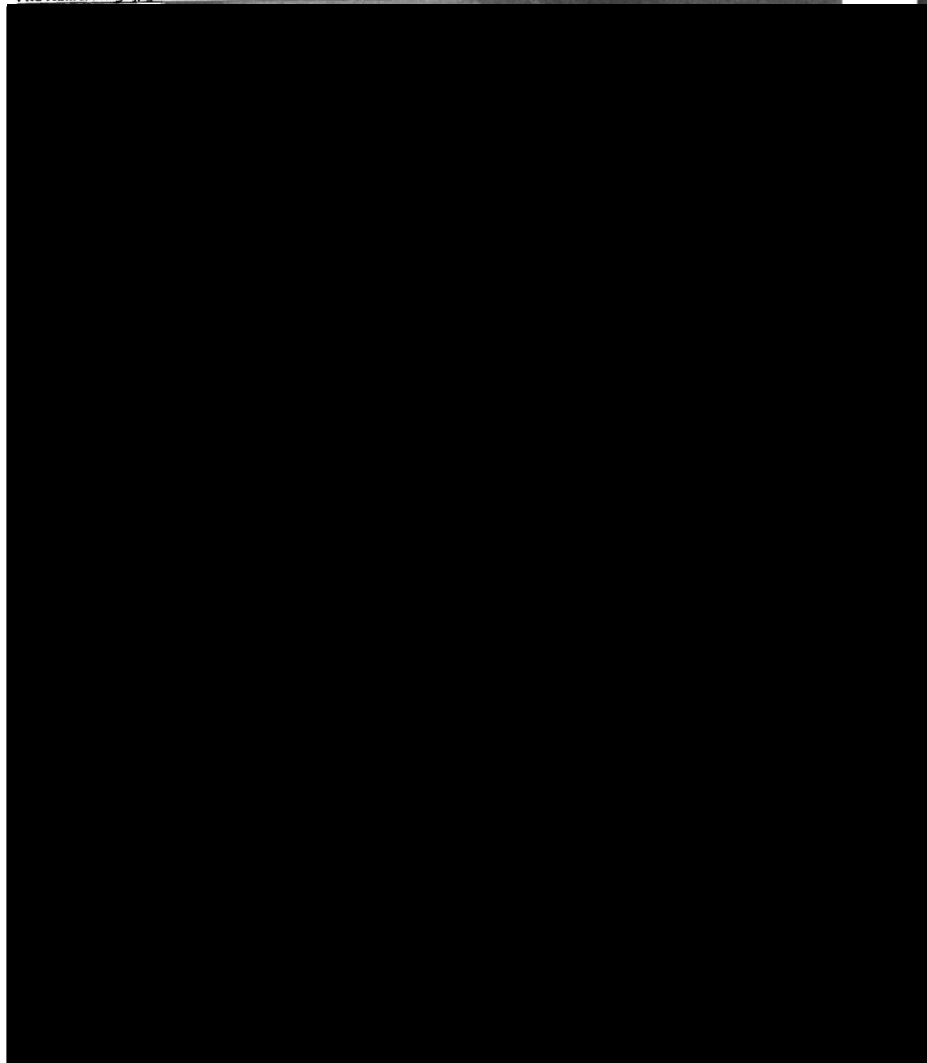
Name: Doe, Jane

Incident Number: 18103021

Incident Date/Time: 03/18/2018 22:02:18

Time: 03/18/2018 22:16:41

File Name: image.jpg





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Normal Findings

Not Done



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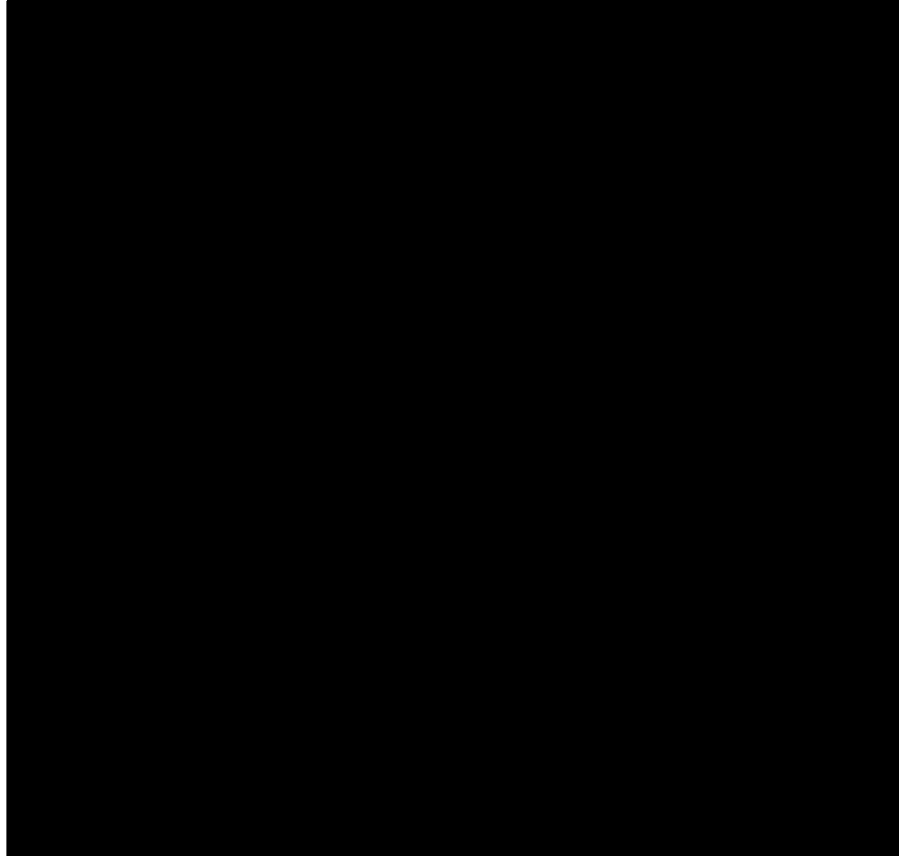
Name: Doe, Jane

Incident Number: 18103021

Incident Date/Time: 03/18/2018 22:02:18

Treatments

Patient Procedures





TEMPE POLICE DEPARTMENT

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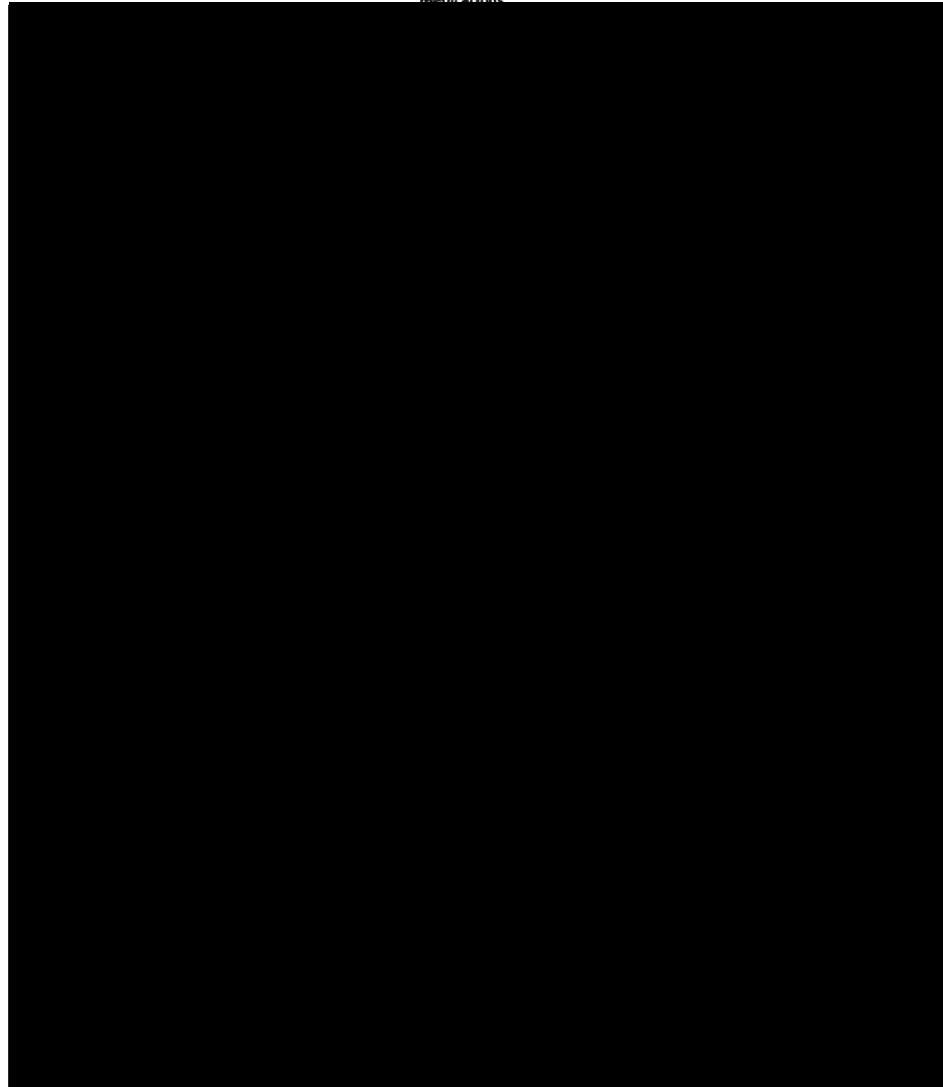
18-32694

Name: Doe, Jane

Incident Number: 18103021

Incident Date/Time: 03/18/2018 22:02:18

Medications





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Name: Doe, Jane Incident Number: 18103021 Incident Date/Time: 03/18/2018 22:02:18

Transport Information

Transfer of Care Time: Not Applicable Transport from Scene: Code 3 Transport Method: Ground-Ambulance Transport Delay: None/No Delay

Hospital Transported To: Scottsdale Osborn Type of Destination: Hospital-Emergency Department

Hospital Address: 7400 E. OSBORN RD. Scottsdale, AZ 85251

Condition of Patient at Transfer: Unchanged Hospital Capability: Trauma Center Level 1 Reason for Choosing Destination: Protocol/Closest Most Appropriate

Agency Transferred: Tempe Agency Unit: M276

Base Hospital Contact Date: 03/18/2018 22:16:00

On-Scene Odometer Reading of Responding Vehicle: 7541.8 Patient Destination Odometer Reading of Responding Vehicle: 7546.5 Mileage To Destination: 4.7

Attachments

File Name: 20180318220522_E276 Modified By: Sandie Lee Modified On: 03/19/2018 01:45:28

File Name: image Modified By: Sandie Lee Modified On: 03/19/2018 01:45:30



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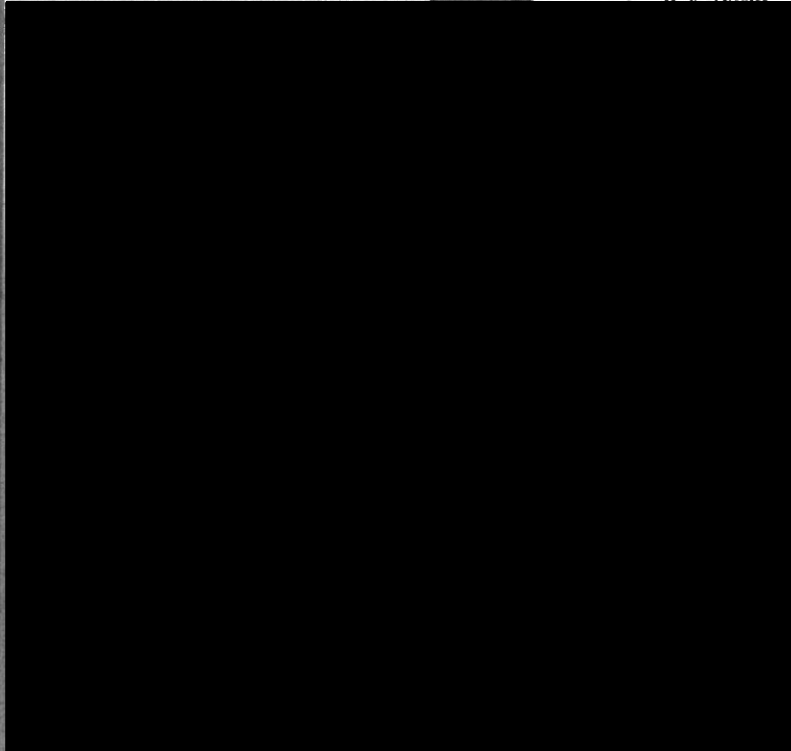
18-32694

Name: Doe, Jane

Incident Number: 18103021

Incident Date/Time: 03/18/2018 22:02:18

HONOR HEALTH





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Name: Doe, Jane

Incident Number: 18103021

Incident Date/Time: 03/18/2018 22:02:18

File Name: UpdatedFacesheet18103021
Modified By: Tiffany Fields
Modified On: 03/20/2018 13:20:56



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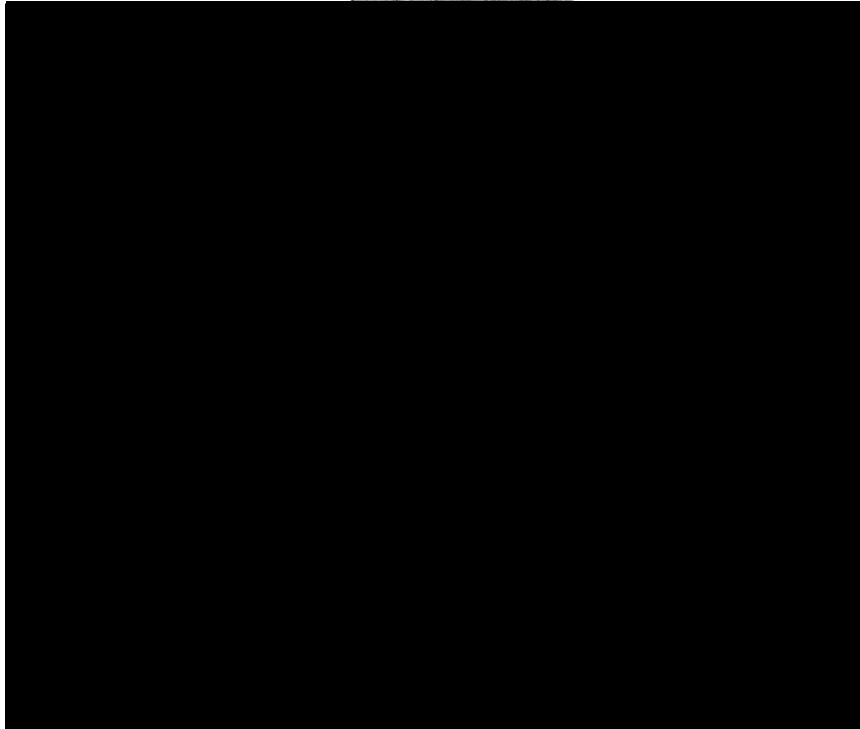
18-32694

Name: Doe, Jane

Incident Number: 18103021

Incident Date/Time: 03/18/2018 22:02:18

HONORHEALTH



HONORHEALTH SOMC EMERGENCY DEPARTMENT



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Name: Doe, Jane

Incident Number: 18103021

Incident Date/Time: 03/18/2018 22:02:18

Patient Belongings

Patient Belongings: None

Signatures

Crew Member Williams, Scott
Completing this Report:

Time of Signature: 03/18/2018 22:30:22

Type of Person Signing: Nurse

Type Of Patient Representative:

Signature Reason: Transfer of Patient Care

Signature Status:

Signature Name: Hayden , Tim

Time of Signature: 03/18/2018 23:23:59

Type of Person Signing: Patient

Type Of Patient Representative:

Signature Reason: Patient/Medical Necessity Unable to Sign

Signature Status: Not Signed - Deceased

Signature Name: Doe , Jane

Time of Signature: 03/18/2018 23:24:05

Type of Person Signing: EMS Paramedic

Type Of Patient Representative:

Signature Reason: EMS Provider

Signature Status:

Signature Name: Lee , Sandie



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Name: Doe, Jane

Incident Number: 18103021

Incident Date/Time: 03/18/2018 22:02:18

Ju

Time of Signature: 03/18/2018 23:25:13

Type of Person Signing: EMS Paramedic

Type Of Patient Representative:

Signature Reason: EMS Provider

Signature Status:

Signature Name: Williams, Scott

Scott Williams

Insurance Info

Primary Method of Payment: No Insurance Identified

Supplies

- Gloves (pair): 9
- Disposable Fitted Gurney Sheet: 1
- Adult Disposable BP Cuff: 1
- Adult BVM: 1
- Adult/Pediatric CO2 Sampling Line: 1
- I-Gel Device (all sizes): 1
- King Disposable Laryngoscope Blade: 1
- Syringe 10cc Blunt Tip: 1
- Lubricating Jelly: 1
- Vionex Towlette: 10
- Biohazard Bag 7-10 Gallon: 1



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Name: Doe, Jane Incident 18103021 Incident Date/Time: 03/18/2018 22:02:18
Number:

Adult Quick Combo 1
Pad:

LP 15 Paper (roll): 1
Blue Sensor 1
Electrode (pack):

Adult Extrication 1
Collar:

Nylon D-Ring 1
Restraint Straps
(pack):

Headblock: 1

Lubricating Jelly: 1

I-Gel Device (all
sizes):

ET Tube Cuffed 1
5.5mm - 9.0mm:

Cloth Tape 1 in: 1

Normal Saline 1000 1
mL Bag:

IV Tubing Blood Set 1
Y-Type:

Normal Saline Flush 1
10 mL:

EZ-IO Needle - All 1
Sizes:

EZ - IO Stabilizer: 1

Sharps Shuttle: 1

Epinephrine PreFill 3
1mg/10mL:

Oxygen: 1



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Related Report Image(s)

Type: Attachment

Description: SCOTTSDALE PD BOSCH CRASH DATA RETRIEVAL

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IMPORTANT NOTICE: Robert Bosch LLC and the manufacturers whose vehicles are accessible using the CDR System urge end users to use the latest production release of the Crash Data Retrieval system software when viewing, printing or exporting any retrieved data from within the CDR program. Using the latest version of the CDR software is the best way to ensure that retrieved data has been translated using the most current information provided by the manufacturers of the vehicles supported by this product.

CDR File Information

User Entered VIN	[REDACTED]
User	Scottsdale Police Dept #831
Case Number	18-32694
EDR Data Imaging Date	03/20/2018
Crash Date	03/18/2018
Filename	[REDACTED].ACM.CDRX
Saved on	Tuesday, March 20 2018 at 12:20:32
Imaged with CDR version	Crash Data Retrieval Tool 17.7
Imaged with Software Licensed to (Company Name)	Scottsdale Police Department
Reported with CDR version	Crash Data Retrieval Tool 17.7
Reported with Software Licensed to (Company Name)	Scottsdale Police Department
EDR Device Type	Airbag Control Module
Event(s) recovered	Event Record 1

Comments

Tempe PD Search Warrant on File
DLC

Data Limitations

General storage information:

- The EDR can store up to six events.
- The information stored is the same for deployment events and non-deployment events
- Deployment event data is locked after writing
 - Airbag deployment data can overwrite Other deployment data if there is no other data area available
- Non-deployment event data is unlocked
- Unlocked data can be overwritten by new data
- An event will not start capture/storage of data if there is already an ongoing event that is being captured
- An event will start a capture/storage of data if there is capture going on for an event that has finished

Data Element Sign Convention:

The following table provides an explanation of the sign notation for data elements that may be included in this CDR report.

Data Element Name	Positive Sign Notation Indicates
Longitudinal Acceleration	Forward
Delta-V, Longitudinal	Forward
Maximum Delta-V, Longitudinal	Forward
Lateral Acceleration	Left to Right
Delta-V, Lateral	Left to Right
Maximum Delta-V, Lateral	Left to Right
Normal Acceleration	Downward
Vehicle Roll Angle	Left to Right Rotation
Steering Input	Left Turn

Data limitations:

- All data contained in this CDR report is indicative of what information the SRS control unit has measured or received on the vehicle communication bus at and around the time of crash. Data should be examined in conjunction with all other available evidence to give a better understanding of the situation.
- All data elements have additional functional encoding, giving extra information about the data element in question when there's no data value stored:
 - 0xFF "not written" means the data element was never written (0xFF stored by default in a fresh control unit)
 - 0xFE "written but no data available" means the data element was written, but there was no information to write
 - 0xFD "not equipped" (where applicable) means the source of the information is not equipped in the car
 - 0xFC "not commanded" (where applicable) means the deployable device was never activated
- Special care has to be taken when "Complete file recorded" data element does not read "Yes". The writing process of the recorder has then not been able to run its full course, and the validity of information stored cannot be guaranteed.
- Signal information originating from other control units in the car have delays, this have to be taken into account when observing information at crash time. Examples of signals in the EDR record originating from other control units are:
 - Speed, vehicle indicated (ABS module)
 - Engine throttle (ECM module)



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- Service brake (ABS module)
- Occupant size classification (OWS module)
- "Time to deploy" data elements are related to TimeZero, which means that they are subject to when the restraint control algorithm becomes active. This can vary from case to case and is individual to each crash situation. These times are therefore not well suited for comparison between EDR records.

11002_Volvo002_r001



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System Status at Retrieval

Vehicle Identification Number	
Application Diagnostic Database Part Number	31387255 AL
Ignition Cycle, Download	1,355
Lifetime Operating Timer (sec)	7,050,569



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System Status at Event (Event Record 1)

Data Area Status, Event Record 1	Unlocked, Data Stored
Data Area Read Status, Event Record 1	Data Not Read
Complete File Recorded (Yes/No)	Yes
Multi-Event, Number of Events (1,2)	Event Number 1
Time from Preceding Event (sec)	Written but No Data Available
Maximum Delta-V, Longitudinal (MPH [km/h])	-14.9 [-24.0]
Time, Maximum Delta-V, Longitudinal (msec)	>300
Maximum Delta-V, Lateral (MPH [km/h])	-1.2 [-2.0]
Time, Maximum Delta-V, Lateral (msec)	>300

Deployment Command Data (Event Record 1)

Frontal Airbag Deployment, Time to Deploy, First Stage, Driver (msec)	Not Deployed
Frontal Airbag Deployment, Time to Deploy, First Stage, Front Passenger (msec)	Not Deployed
Frontal Airbag Deployment, Time to Deploy, Second Stage, Passenger (msec)	Not Deployed
Frontal Airbag Deployment, Time to Deploy, Third Stage, Passenger (msec)	Not Deployed
Frontal Airbag Deployment, Time to Deploy, Second Stage, Driver (msec)	Not Deployed
Frontal Airbag Deployment, Time to Deploy, Third Stage, Driver (msec)	Not Equipped
Left Side Airbag, Time to Deploy (msec)	Not Deployed
Right Side Airbag, Time to Deploy (msec)	Not Deployed
Left Side Curtain, Time to Deploy (msec)	Not Deployed
Right Side Curtain, Time to Deploy (msec)	Not Deployed
Driver Shoulder Belt Pretensioner, Time to Deploy (msec)	Not Deployed
Passenger Shoulder Belt Pretensioner, Time to Deploy (msec)	Not Deployed
Adaptive Steering Column, Time to Deploy (msec)	Not Equipped
Driver Lap Belt Pretensioner, Time to Deploy (msec)	Not Equipped
Passenger Lap Belt Pretensioner, Time to Deploy (msec)	Not Equipped
Driver Belt Load Limiter, Time to Deploy (msec)	Not Deployed
Passenger Belt Load Limiter, Time to Deploy (msec)	Not Deployed
2nd Row Right Belt Pretensioner, Time to Deploy (msec)	Not Deployed
2nd Row Middle Belt Pretensioner, Time to Deploy (msec)	Not Deployed
2nd Row Left Belt Pretensioner, Time to Deploy (msec)	Not Deployed
3rd Row Right Belt Pretensioner, Time to Deploy (msec)	Not Equipped
3rd Row Left Belt Pretensioner, Time to Deploy (msec)	Not Equipped
Driver knee airbag, time to deploy, first stage (msec)	Not Deployed
Driver knee airbag, time to deploy, second stage (msec)	Not Deployed
Passenger knee airbag, time to deploy, first stage (msec)	Not Equipped
Passenger knee airbag, time to deploy, second stage (msec)	Not Equipped



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Pre-Crash Data -1 Sec (Event Record 1)

Ignition Cycle, Crash	1,350
Safety Belt Status, Driver	On, Belted
Safety Belt Status, Passenger	Off, Unbelted
Frontal Airbag Warning Lamp	Off
Frontal Airbag Suppression Switch, Status, Front Passenger	Not Equipped
Seat Track Position Switch, Foremost, Status, Driver	No
Seat Track Position Switch, Foremost, Status, Front Passenger	No
Occupant Size Right Front Passenger Child	No

Pre-Crash -5 to 0 sec (Event Record 1)

Time (sec)	Speed, Vehicle Indicated (MPH [km/h])	Accelerator Pedal, % Full (%)	Service Brake (On, Off)	Steering Input (%)	ABS Activity	Stability Control Status
-5.0	44.1 [71.0]	0.0	Off	0.0	Off	On
-4.5	44.1 [71.0]	0.0	Off	0.0	Off	On
-4.0	44.1 [71.0]	0.0	Off	0.0	Off	On
-3.5	43.5 [70.0]	0.0	Off	0.0	Off	On
-3.0	43.5 [70.0]	0.0	Off	0.0	Off	On
-2.5	42.9 [69.0]	0.0	Off	0.0	Off	On
-2.0	41.6 [67.0]	0.0	Off	-1.0	Off	On
-1.5	40.4 [65.0]	0.0	Off	-1.0	Off	On
-1.0	37.9 [61.0]	0.0	Off	-2.0	Off	On
-0.5	37.3 [60.0]	0.0	Off	4.0	Off	On
0.0	33.6 [54.0]	0.0	On	-2.0	Off	On



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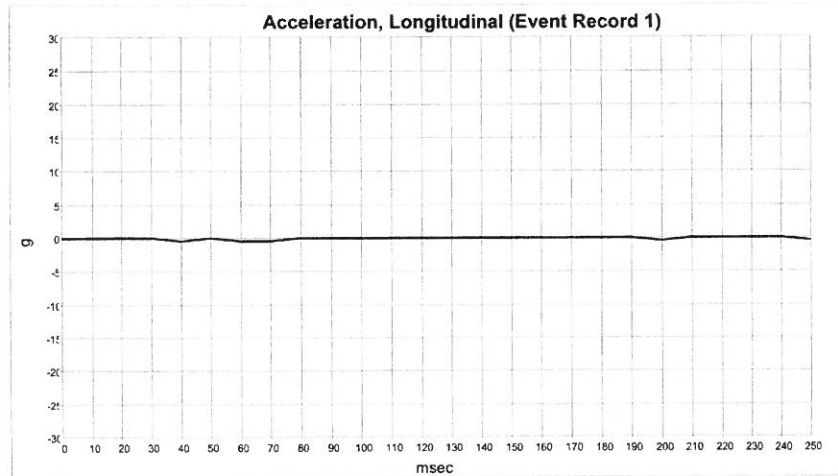
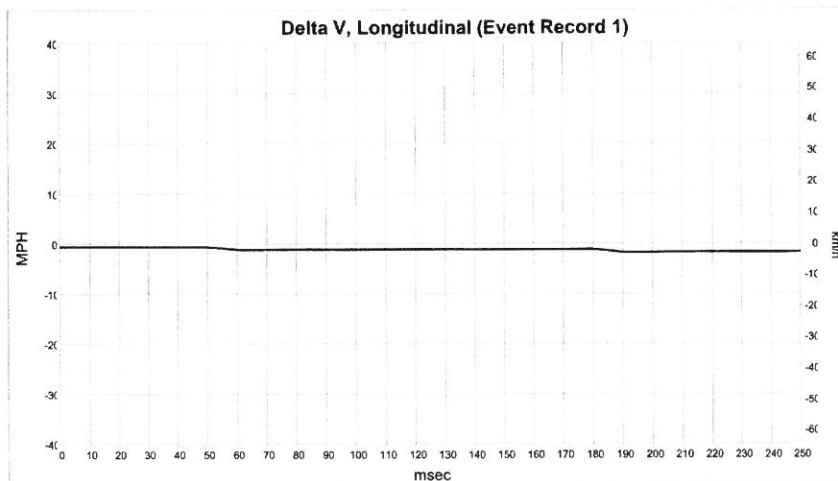
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BOSCH

CDR CRASH DATA RETRIEVAL

Longitudinal Crash Pulse (Event Record 1)





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Longitudinal Crash Pulse (Event Record 1)

Time (msec)	Delta-V, Longitudinal (MPH [km/h])	Longitudinal Acceleration (g)
0	-0.6 [-1.0]	0.0
10	-0.6 [-1.0]	0.0
20	-0.6 [-1.0]	0.0
30	-0.6 [-1.0]	0.0
40	-0.6 [-1.0]	-0.5
50	-0.6 [-1.0]	0.0
60	-1.2 [-2.0]	-0.5
70	-1.2 [-2.0]	-0.5
80	-1.2 [-2.0]	0.0
90	-1.2 [-2.0]	0.0
100	-1.2 [-2.0]	0.0
110	-1.2 [-2.0]	0.0
120	-1.2 [-2.0]	0.0
130	-1.2 [-2.0]	0.0
140	-1.2 [-2.0]	0.0
150	-1.2 [-2.0]	0.0
160	-1.2 [-2.0]	0.0
170	-1.2 [-2.0]	0.0
180	-1.2 [-2.0]	0.0
190	-1.9 [-3.0]	0.0
200	-1.9 [-3.0]	-0.5
210	-1.9 [-3.0]	0.0
220	-1.9 [-3.0]	0.0
230	-1.9 [-3.0]	0.0
240	-1.9 [-3.0]	0.0
250	-1.9 [-3.0]	-0.5



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General Offense Report

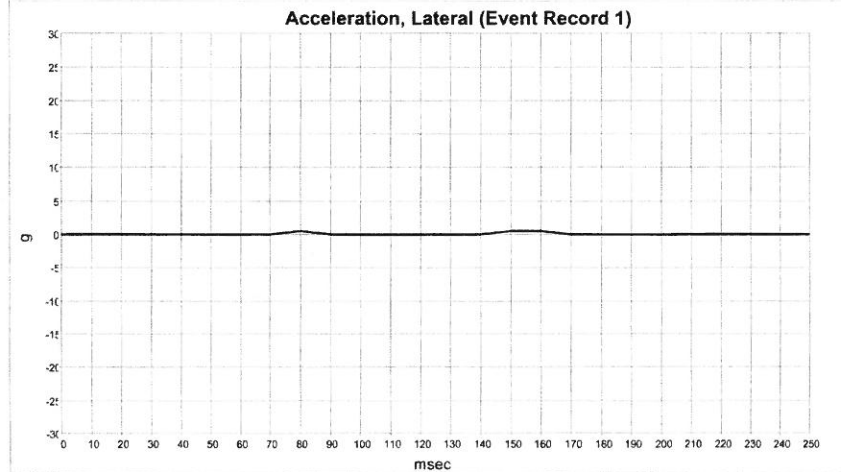
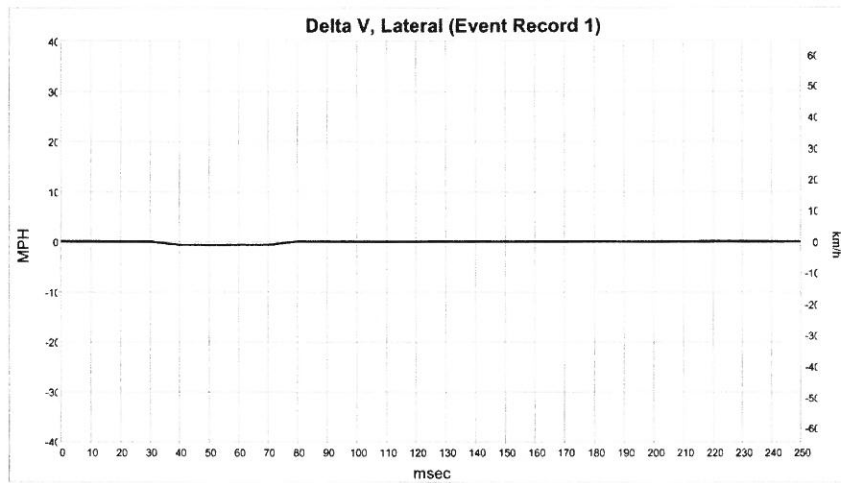
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Lateral Crash Pulse (Event Record 1)





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Lateral Crash Pulse (Event Record 1)

Time (msec)	Delta-V, lateral (MPH [km/h])	Lateral Acceleration (g)
0	0.0 [0.0]	0.0
10	0.0 [0.0]	0.0
20	0.0 [0.0]	0.0
30	0.0 [0.0]	0.0
40	-0.6 [-1.0]	0.0
50	-0.6 [-1.0]	0.0
60	-0.6 [-1.0]	0.0
70	-0.6 [-1.0]	0.0
80	0.0 [0.0]	0.5
90	0.0 [0.0]	0.0
100	0.0 [0.0]	0.0
110	0.0 [0.0]	0.0
120	0.0 [0.0]	0.0
130	0.0 [0.0]	0.0
140	0.0 [0.0]	0.0
150	0.0 [0.0]	0.5
160	0.0 [0.0]	0.5
170	0.0 [0.0]	0.0
180	0.0 [0.0]	0.0
190	0.0 [0.0]	0.0
200	0.0 [0.0]	0.0
210	0.0 [0.0]	0.0
220	0.0 [0.0]	0.0
230	0.0 [0.0]	0.0
240	0.0 [0.0]	0.0
250	0.0 [0.0]	0.0



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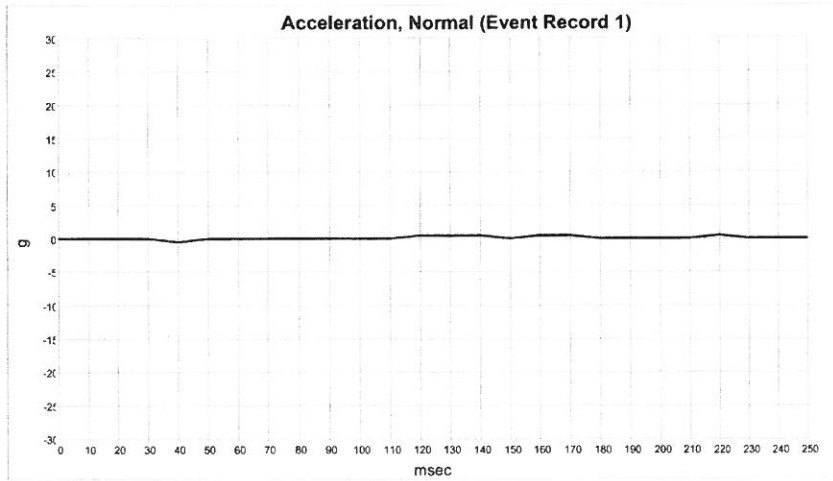
Operational Status: ADMINISTRATIVE



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Vertical Crash Pulse (Event Record 1)



Time (msec)	Normal Acceleration (g)
0	0.0
10	0.0
20	0.0
30	0.0
40	-0.5
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.5
130	0.5
140	0.5
150	0.0
160	0.5
170	0.5
180	0.0
190	0.0
200	0.0
210	0.0
220	0.5
230	0.0
240	0.0
250	0.0



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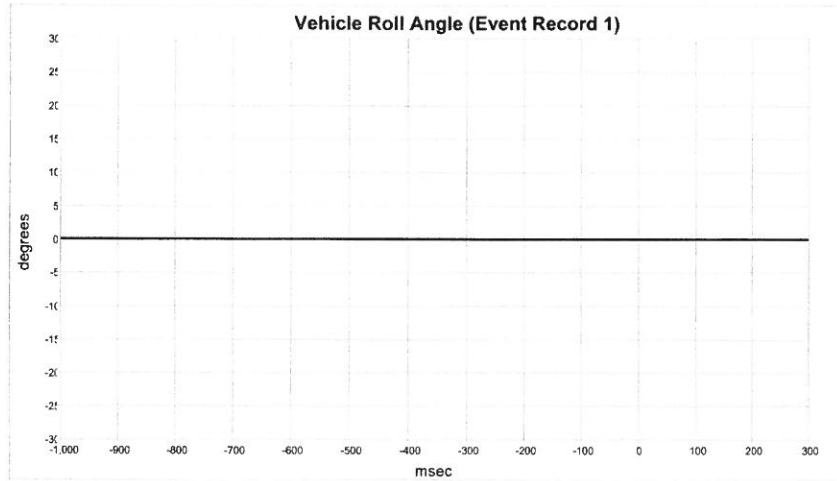
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Rollover Crash Pulse (Event Record 1)



Time (msec)	Vehicle Roll Angle (deg)
-1000	0.0
-900	0.0
-800	0.0
-700	0.0
-600	0.0
-500	0.0
-400	0.0
-300	0.0
-200	0.0
-100	0.0
0	0.0
100	0.0
200	0.0
300	0.0



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Hexadecimal Data

Data that the vehicle manufacturer has specified for data retrieval is shown in the hexadecimal data section of the CDR report. The hexadecimal data section of the CDR report may contain data that is not translated by the CDR program. The control module contains additional data that is not retrievable by the CDR system.

DID	Data
EE01	63 63 63 63 63 62 62 62 62 62 62 62 62 62 62 62 62 61 61 61 61 61 61 61 4C 79 47 47 47 46 46 45 43 41 3D 3C 36 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 01 05 46 01 00 FF FC FF FC 01 FE 01 06 25 01 C5
EE02	64 64 64 64 64 64 64 64 65 64 64 64 64 64 65 65 64 64 64 64 64 64 64 64 64 64 64 64 64 63 64 63 63 64 64 64 64 64 64 64 64 64 64 64 64 63 64 64 64 64 63 64 64 64 64 63 64 64 64 64 64 64 64 65 65 65 64 65 65 64 64 64 64 65 64 64 64 64 64 64 64 63 63 63 63 64 64 64 64 64 64 64 64 64 64 64 64 64 64 64 64 64 64 62 79 6C 6C 6C 6C 6C 6C 6C 6C 6C 6C 6C 00 00 00 00 00 00 00 00 00 00 00 01 01 01 01 01 01 01 01 01 01 01 01 64 64 64 64 64 64 63 63 62 68 62 00 FD FF FC FF FD FF FC FF FC FF FC FF FC FF FC FF FC FF FC FF FC 00 00 00 FF FD FF FD FF FD FF FC FF FC FF FC FF FC FF FC FF FD FF FD FF FC FF FC FF FD FF FD 06 25 00 49 01 C5
EE05	01
EE08	01
EE09	05 4B
EE0A	59 56 34 42 43 30 50 4C 35 48 31 31 34 39 36 36 37
EE0B	00 00 6B 95 49
EE21	FF FF
EE22	FF FF
EE25	00
EE28	00
EE2A	FF FF



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FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
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EE2B FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
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EE2E 00

EE31 00

EE33 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
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TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



18-32694



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TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



18-32694



Disclaimer of Liability

The users of the CDR product and reviewers of the CDR reports and exported data shall ensure that data and information supplied is applicable to the vehicle, vehicle's system(s) and the vehicle ECU. Robert Bosch LLC and all its directors, officers, employees and members shall not be liable for damages arising out of or related to incorrect, incomplete or misinterpreted software and/or data. Robert Bosch LLC expressly excludes all liability for incidental, consequential, special or punitive damages arising from or related to the CDR data, CDR software or use thereof.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Accident Crash Report

Description:

ARIZONA CRASH REPORT				REPORT ID										Agency Report Number									
POLICE ONLY - FORWARD COPY TO ADOT TRAFFIC RECORDS SECTION, 064R 206 S. 17 TH AVE., PHOENIX, ARIZONA 85007-3233				YEAR	MONTH	DAY	HOUR	MIN	SEC	NCIC NO.	OFFICER ID NO.	18-32694/963		Total Number of Sheets 10									
1				COMPLETE THE TRUCK/BUS SUPPLEMENT IF ANY (circle) AND ANY (diamond) ARE CHECKED																			
2				Total Units	Total Injuries	Total Fatalities	Estimated Total Damage Compared To \$1,000 Limit	Of Over	Of Under	Fatal	Hit/Run Unit # 0702	Person Transported for Immediate Medical Care?	Tow Away of At Least One Vehicle from Scene?	District or Grid No.									
3				On Highway/Road/Street	City	County	Intersecting Street/Road/M.P. or R.P.	North of South	East of West	Plus	Distance	Measured	Miles										
3				Light Condition	Weather Conditions	GLOBAL POSITION	Latitude	Longitude	1 Daylight	2 Dark	3 Dusk	4 Dark - Lighted	5 Dark - Not Lighted	6 Dark - Unknown Lighting	7 51 Unknown	1 Clear	2 Cloudy	3 Street, Hall (freezing rain/sleet)	4 Rain	5 Snow or Blowing Snow	6 Fog, Smog, Smoke	7 50 Other	8 51 Unknown
4				Is this a Secondary Collision? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				If YES, were any of the following 1 st responders hit? Law Enforcement <input type="checkbox"/> Fire <input type="checkbox"/> EMS <input type="checkbox"/> Tow Operator <input type="checkbox"/> DOT Worker <input type="checkbox"/> Other <input type="checkbox"/>				Roadway Clear Time: 0 3 0 0 0		Incident Clear: 0 5 3 0 0									
5				Safety Devices (SD)	Airbag (AB)	Injury Severity (IS)	Seating Position	Name (First, Middle, Last) Elaine Marie Herzberg															
5				Name (First, Middle, Last) Rafael Stuart Vasquez				Name (First, Middle, Last) Rafael Stuart Vasquez															
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TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

ARIZONA CRASH REPORT		REPORT ID										Agency Report Number											
1 POLICE ONLY - FORWARD COPY TO ADD'l TRAFFIC RECORDS SECTION (6447 206 S. 17 th AVE., PHOENIX, ARIZONA 85007-3233)		YEAR	MONTH	DAY	HOUR	NGIC NO.	OFFICER ID NO.				18-32694/663												
		1	8	0	3	1	8	2	2	0	0	7	1	2	9	1	1	6	3	8			
		Total Number of Sheets																					
12 - ROAD SURFACE CONDITION UNIT # 1 <input checked="" type="checkbox"/> 1 DRY <input type="checkbox"/> 8 MUDDIRT/GRAVEL/SAND <input type="checkbox"/> 2 WET <input type="checkbox"/> 9 OTHER <input type="checkbox"/> 3 SNOW/SLUSH <input type="checkbox"/> 51 UNKNOWN <input type="checkbox"/> 4 ICE/FROST <input type="checkbox"/> 6 WATER (standing/moving)		13 - ROAD GRADE UNIT # 1 <input checked="" type="checkbox"/> 1 LEVEL <input type="checkbox"/> 3 UPHILL <input type="checkbox"/> 2 DOWNHILL <input type="checkbox"/> 51 UNKNOWN		14 - RELATION TO JUNCTION <input checked="" type="checkbox"/> 0 NOT JUNCTION RELATED <input type="checkbox"/> 4 RAILWAY GRADE CROSSING <input type="checkbox"/> 1 INTERSECTION (with) <input type="checkbox"/> 7 DRIVEWAY or ALLEY ACCESS <input type="checkbox"/> 3 4-WAY <input type="checkbox"/> 1-INTER <input type="checkbox"/> 0 OTHER <input type="checkbox"/> 50 OTHER <input type="checkbox"/> 2 INTERSECTION RELATED <input type="checkbox"/> 51 UNKNOWN <input type="checkbox"/> 5 ENTRANCE/EXIT RAMP		15 - TRAFFICWAY DESCRIPTION <input checked="" type="checkbox"/> 1 ONE WAY TRAFFICWAY <input type="checkbox"/> 2 TWO WAY, NOT DIVIDED (no median present) <input type="checkbox"/> 3 TWO WAY, (NOT DIVIDED) WITH A CONTINUOUS LEFT TURN LANE <input type="checkbox"/> 4 TWO WAY DIVIDED, UNPROTECTED MEDIAN <input type="checkbox"/> 5 TWO WAY, DIVIDED, POSITIVE MEDIAN BARRIER <input type="checkbox"/> 51 UNKNOWN		16 - TRAFFIC CONTROL DEVICE UNIT # 1 <input checked="" type="checkbox"/> 0 NO CONTROLS <input type="checkbox"/> 7 PERSON (law enforcement, crossing guard, flagger, etc.) <input type="checkbox"/> 1 SIGNAL <input type="checkbox"/> 8 TRAFFIC CIRCLE / ROUNDABOUT <input type="checkbox"/> 2 STOP SIGN <input type="checkbox"/> 9 PEDESTRIAN HYBRID BEACON/HAWK <input type="checkbox"/> 3 YIELD SIGN <input type="checkbox"/> 50 OTHER <input type="checkbox"/> 4 WARNING SIGN <input type="checkbox"/> 51 UNKNOWN <input type="checkbox"/> 5 RAILROAD CROSSING SIGN <input type="checkbox"/> 6 FLASHING TRAFFIC SIGNAL		17 - MANNER OF CRASH IMPACT UNIT # 1 <input checked="" type="checkbox"/> 1 SINGLE VEHICLE <input type="checkbox"/> 6 SIDESWIPE, SAME DIRECTION <input type="checkbox"/> 2 ANGLE (front to side) <input type="checkbox"/> 7 SIDESWIPE, OPPOSITE DIRECTION <input type="checkbox"/> 3 LEFT TURN <input type="checkbox"/> 10 U-TURN <input type="checkbox"/> 4 REAR END (front-to-rear) <input type="checkbox"/> 50 OTHER <input type="checkbox"/> 5 HEAD-ON (front-to-front) <input type="checkbox"/> 51 UNKNOWN <input type="checkbox"/> 6 OTHER (other than left turn)		18 - DIRECTION OF UNIT TRAVEL (Consensus) BEFORE 1ST CRASH EVENT UNIT # 1 <input checked="" type="checkbox"/> 1 NORTH <input type="checkbox"/> 5 NORTH/EAST <input type="checkbox"/> 2 SOUTH <input type="checkbox"/> 7 SOUTHWEST <input type="checkbox"/> 3 EAST <input type="checkbox"/> 8 SOUTHEAST <input type="checkbox"/> 4 WEST <input type="checkbox"/> 9 UNKNOWN <input type="checkbox"/> 6 NORTHWEST		19 - CONTRIBUTING CIRCUMSTANCES UP TO TWO CHOICES PER UNIT UNIT # 1 <input checked="" type="checkbox"/> 0 NO CONTRIBUTING CIRCUMSTANCE ENVIRONMENTAL <input type="checkbox"/> 1 GLARE <input type="checkbox"/> 3 ROAD SURFACE CONDITION <input type="checkbox"/> 2 PHYSICAL OBSTRUCTIONS <input type="checkbox"/> 4 DEBRIS <input type="checkbox"/> 3 MOVING VEHICLE <input type="checkbox"/> 5 WORK ZONE <input type="checkbox"/> 4 A 51 STOPPED/PARKED VEHICLE <input type="checkbox"/> 6 OBSTRUCTION IN ROADWAY <input type="checkbox"/> 3 C. LOAD ON VEHICLE <input type="checkbox"/> 7 CHANGING ROAD WIDTH <input type="checkbox"/> 4 D. TREES/SHRUBBUSH <input type="checkbox"/> 8 NON-HIGHWAY WORK		20 - DISTRACTED DRIVING BEHAVIOR UNIT # 1 <input checked="" type="checkbox"/> 0 NOT DISTRACTED/DONOT APPLICABLE <input type="checkbox"/> 1 TALKING ON HANDS FREE DEVICE <input type="checkbox"/> 2 TALKING ON HAND HELD DEVICE <input type="checkbox"/> 3 PASSENGER <input type="checkbox"/> 4 OTHER ACTIVITY, ELECTRONIC DEVICE <input type="checkbox"/> 5 MANUALLY OPERATING AN ELECTRONIC DEVICE <input type="checkbox"/> 6 OTHER INSIDE THE VEHICLE (smoking, drinking, etc.) <input type="checkbox"/> 7 OUTSIDE THE VEHICLE (includes unspecified distractions) <input type="checkbox"/> 80 DISTRACTED, UNKNOWN REASON <input type="checkbox"/> 51 UNKNOWN IF DISTRACTED		21 - CONDITION INFLUENCING DRIVER/PED/BICYCLIST UP TO THREE CHOICES PER UNIT UNIT # 1 <input checked="" type="checkbox"/> 0 NO APPARENT INFLUENCE <input type="checkbox"/> 1 ILLNESS OR PHYSICAL IMPAIRMENT <input type="checkbox"/> 2 FELL ASLEEP/FATIGUED <input type="checkbox"/> 3 ALCOHOL <input type="checkbox"/> 4 MEDICATIONS <input type="checkbox"/> 5 MED MARIJUANA <input type="checkbox"/> 6 MED MARIJUANA CARD PRESENTED <input type="checkbox"/> 7 MARIJUANA <input type="checkbox"/> 8 OTHER <input type="checkbox"/> 9 UNKNOWN/CONDITION <input type="checkbox"/> 51 UNKNOWN/CONDITION		22 - VIOLATIONS/BEHAVIOR CHECK ALL THAT APPLY UNIT # 1 <input type="checkbox"/> 1 NO IMPROPER ACTION <input type="checkbox"/> 2 SPEED TOO FAST FOR CONDITIONS <input type="checkbox"/> 3 EXCEEDED LAWFUL SPEED <input type="checkbox"/> 4 FOLLOWED TOO CLOSELY <input type="checkbox"/> 5 RAN STOP SIGN <input type="checkbox"/> 6 DISREGARDED TRAFFIC SIGNAL <input type="checkbox"/> 7 MADE IMPROPER TURN <input type="checkbox"/> 8 DROVE LEFT OF CENTER LINE <input type="checkbox"/> 9 WRONG WAY DRIVING <input type="checkbox"/> 10 CROSSED MEDIAN <input type="checkbox"/> 11 PASSED IN PASSING ZONE <input type="checkbox"/> 12 UNSAFE LANE CHANGE <input type="checkbox"/> 13 FAILED TO KEEP IN PROPER LANE <input type="checkbox"/> 14 DID NOT USE CROSSWALK <input type="checkbox"/> 15 FAILED TO YIELD RIGHT-OF-WAY <input type="checkbox"/> 16 AGGRESSIVE DRIVING <input type="checkbox"/> 17 OTHER <input type="checkbox"/> 18 UNKNOWN		23 - TRAFFIC UNIT MANEUVER/ACTION UNIT # 1 <input type="checkbox"/> 1 GOING STRAIGHT AHEAD <input type="checkbox"/> 2 SLOWING IN TRAFFICWAY <input type="checkbox"/> 3 STOPPED IN TRAFFICWAY <input type="checkbox"/> 4 STOPPED IN TRAFFICWAY <input type="checkbox"/> 5 MAKING LEFT TURN <input type="checkbox"/> 6 MAKING RIGHT TURN <input type="checkbox"/> 7 OVERTAKING/PASSING <input type="checkbox"/> 8 CHANGING LANES <input type="checkbox"/> 9 NEGOTIATING A CURVE <input type="checkbox"/> 10 BACKING <input type="checkbox"/> 11 AVOIDING VEHICLE/OBJECT/PED/BICYCLIST <input type="checkbox"/> 12 ENTERING PARKING POSITION <input type="checkbox"/> 13 LEAVING PARKING POSITION <input type="checkbox"/> 14 PROPERLY PARKED <input type="checkbox"/> 15 IMPROPERLY PARKED <input type="checkbox"/> 16 MOVING VEHICLE - NO DRIVER <input type="checkbox"/> 17 CROSSING ROAD <input type="checkbox"/> 18 WALKING WITH TRAFFIC <input type="checkbox"/> 19 WALKING AGAINST TRAFFIC <input type="checkbox"/> 20 STANDING <input type="checkbox"/> 21 LYING <input type="checkbox"/> 22 GETTING ON/OFF VEHICLE <input type="checkbox"/> 23 OTHER <input type="checkbox"/> 24 UNKNOWN	
24 - LOCATION OF PEDESTRIAN/BICYCLIST UNIT # 1 <input type="checkbox"/> 1 AT INTERSECTION IN MARKED CROSSWALK <input type="checkbox"/> 2 AT INTERSECTION UNMARKED/UNKNOWN IF MARKED CROSSWALK <input type="checkbox"/> 3 AT INTERSECTION NOT IN CROSSWALK <input type="checkbox"/> 4 AT INTERSECTION UNKNOWN LOCATION <input type="checkbox"/> 5 NOT AT INTERSECTION IN MARKED CROSSWALK <input type="checkbox"/> 6 NOT AT INTERSECTION ON ROADWAY, NOT IN MARKED CROSSWALK <input type="checkbox"/> 7 CROSSWALK AVAILABILITY UNKNOWN <input type="checkbox"/> 8 SCHOOL CROSSWALK <input type="checkbox"/> 9 PARKING LANE ZONE		25 - ROADWAY ALIGNMENT UNIT # 1 <input checked="" type="checkbox"/> 1 STRAIGHT <input type="checkbox"/> 3 CURVE RIGHT <input type="checkbox"/> 2 CURVE LEFT <input type="checkbox"/> 51 UNKNOWN		26 - LANE Please enter unit's number and lane of travel before first crash event <table border="1"> <tr> <th>UNIT 1</th> <th>UNIT 2</th> </tr> <tr> <td>2</td> <td>2</td> </tr> </table>		UNIT 1	UNIT 2	2	2	27 - SEQUENCE OF EVENTS UP TO FOUR CRASH EVENTS FOR EACH UNIT IN THE ORDER OF OCCURRENCE NON-COLLISION 1 OVERTURN/Rollover 2 FIRE/EXPLOSION 3 CARGO/EQUIPMENT LOSS/SHIFT 4 FELL/JUMPED FROM VEHICLE 5 OTHER NON-COLLISION 6 EQUIPMENT FAILURE (tires, brakes) 7 SEPARATION OF UNITS 8 RAN OFF ROAD RIGHT 9 RAN OFF ROAD LEFT 10 CROSS MEDIAN 11 CROSS CENTERLINE 12 DOWNHILL RUNAWAY COLLISION WITH PERSON, MOTOR VEHICLE OR NON-FIXED OBJECT 13 MOTOR VEHICLE IN TRANSPORT 14 PEDESTRIAN 15 PEDAL CYCLE 16 TRAIN 17 LIGHT RAILWAY/RAILCAR VEHICLE 18 ANIMAL 19 PARKED MOTOR VEHICLE 20 STRUCK BY FALLING, SHIFTING CARGO OR ANYTHING SET IN MOTION BY ANOTHER VEHICLE 21 OTHER NON-FIXED OBJ.		28 - COLLISION WITH FIXED OBJECT 22 IMPACT ATTENUATOR/CRASH CUSHION/GUARDRAIL END 23 CONCRETE CURB 24 GUARDRAIL FACE 25 MEDIAN BARRIER 26 CABLE BARRIER 27 TREE/BUSH STUMP (standing) 28 TRAFFIC SIGN SUPPORT 29 TRAFFIC SIGNAL SUPPORT 30 UTILITY POLY-ESTHETIC SUPPORT 31 FENCE 32 OTHER FIXED OBJ. 33 UNKNOWN											
UNIT 1	UNIT 2																						
2	2																						
29 - FIRST HARMFUL EVENT OF THE CRASH 17 _____		30 - SEQUENCE OF EVENTS PER TRAFFIC UNIT <table border="1"> <tr> <th>Event</th> <th>Unit 1</th> <th>Unit 2</th> </tr> <tr> <td>FIRST EVENT</td> <td>16</td> <td>17</td> </tr> <tr> <td>SECOND EVENT</td> <td></td> <td></td> </tr> <tr> <td>THIRD EVENT</td> <td></td> <td></td> </tr> <tr> <td>FOURTH EVENT</td> <td></td> <td></td> </tr> </table>		Event	Unit 1	Unit 2	FIRST EVENT	16	17	SECOND EVENT			THIRD EVENT			FOURTH EVENT							
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SECOND EVENT																							
THIRD EVENT																							
FOURTH EVENT																							



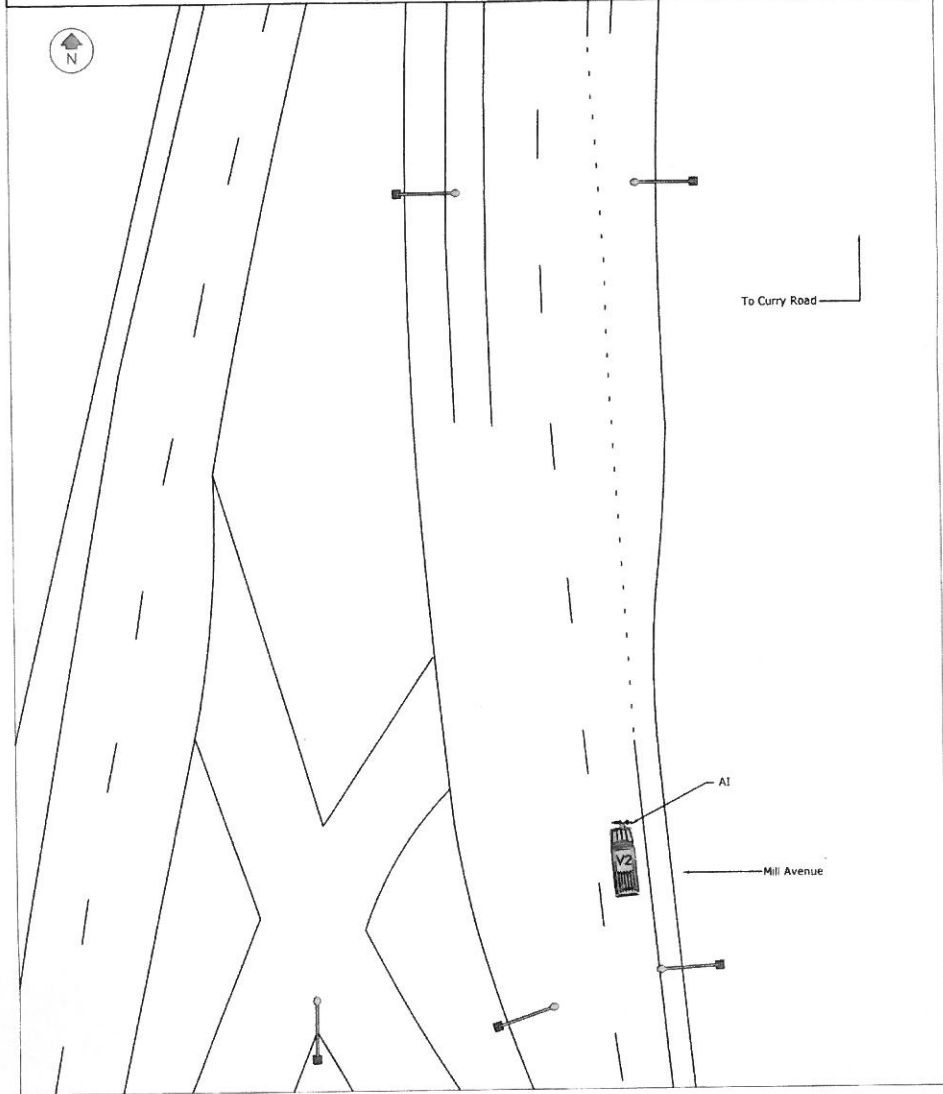
TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Agency: Tempe Police Department	Drawn By: T. Haubold #11638	Case Number: 18-32694
Location: Mill Avenue/Curry Road	Date Occurred: 03/18/18	Case Type: 963
Drawing Title: Impact Diagram		





TEMPE POLICE DEPARTMENT

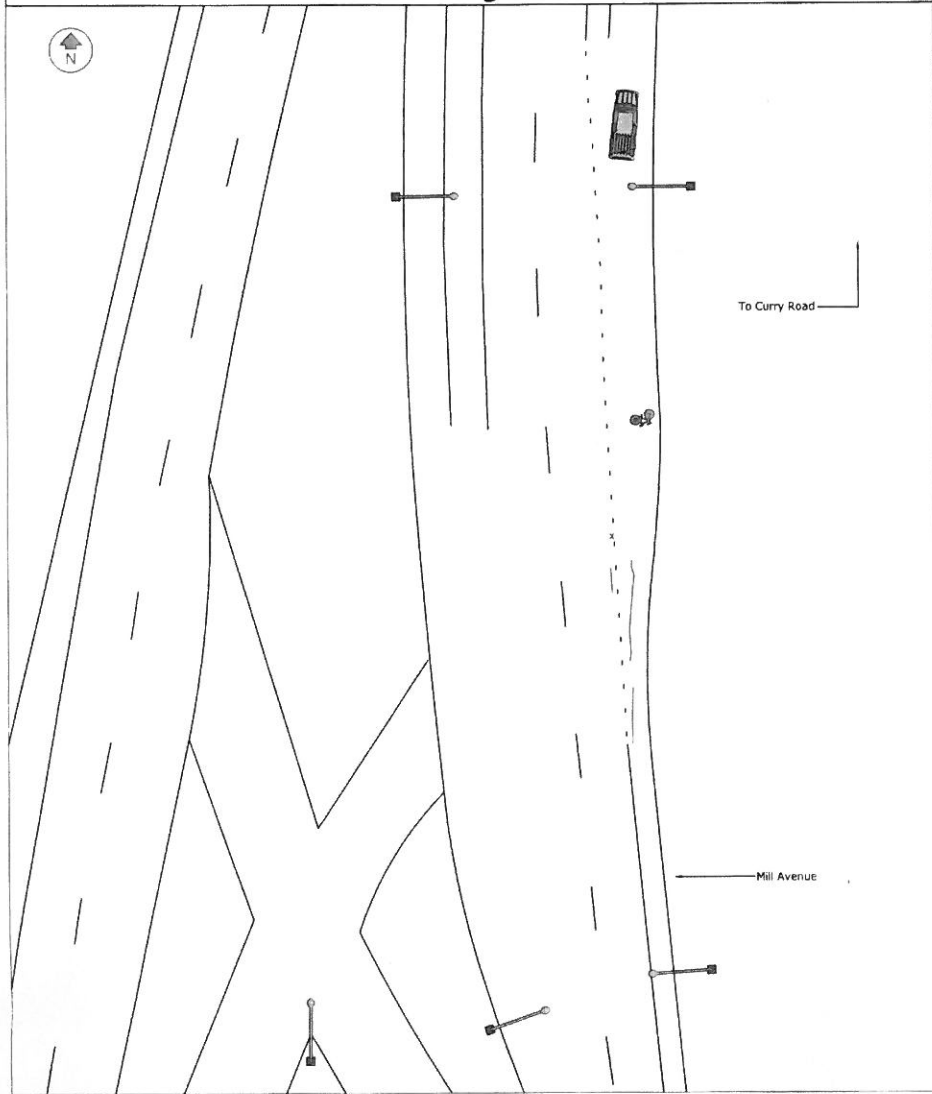
General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Agency: Tempe Police Department	Drawn By: T. Haubold #11638	Case Number: 18-32694
Location: Mill Avenue/Curry Road	Date Occurred: 03/18/18	Case Type: 963

Drawing Title: Scene Diagram





TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Agency: Tempe Police Department	Drawn By: T. Haubold #11638	Case Number: 18-32694
Location: Mill Avenue/Curry Road	Date Occurred: 03/18/18	Case Type: 963

Drawing Title: Scene Diagram





TEMPE POLICE DEPARTMENT

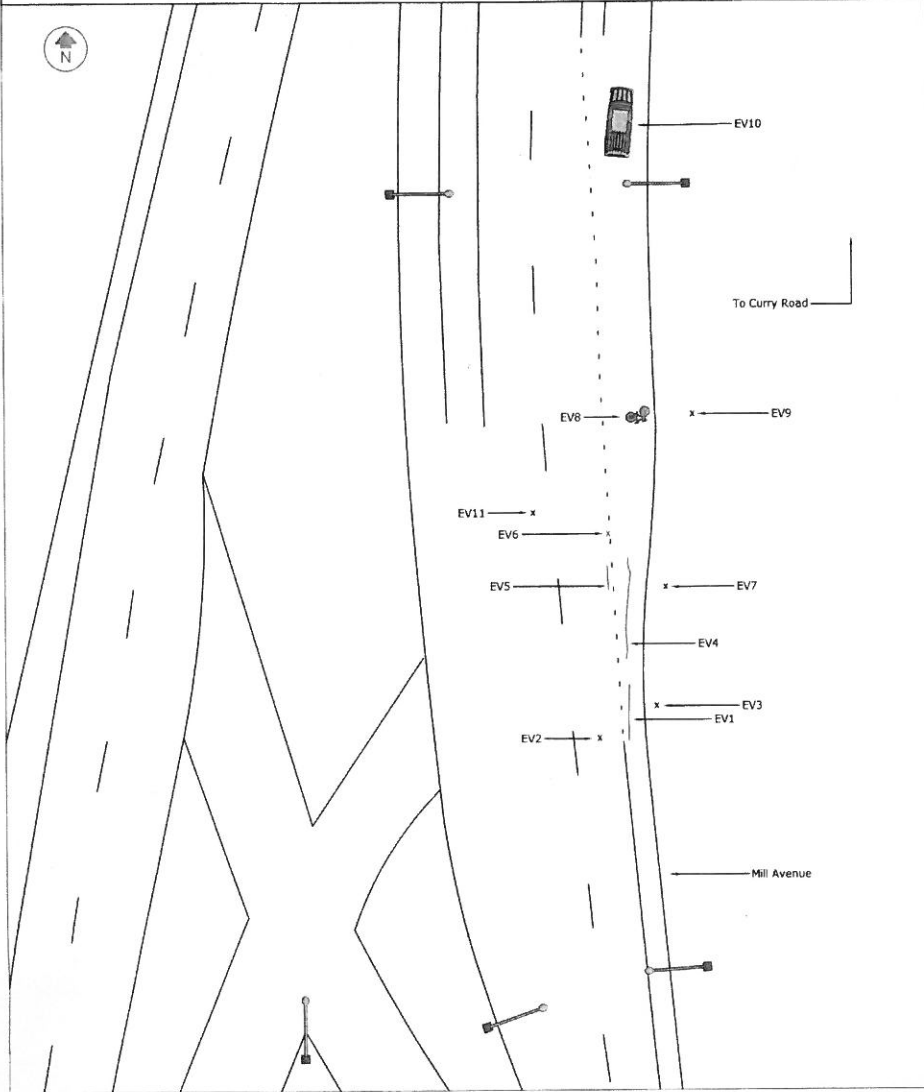
General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Agency: Tempe Police Department	Drawn By: T. Haubold #11638	Case Number: 18-32694
Location: Mill Avenue/Curry Road	Date Occurred: 03/18/18	Case Type: 963

Drawing Title: Evidence Diagram





TEMPE POLICE DEPARTMENT

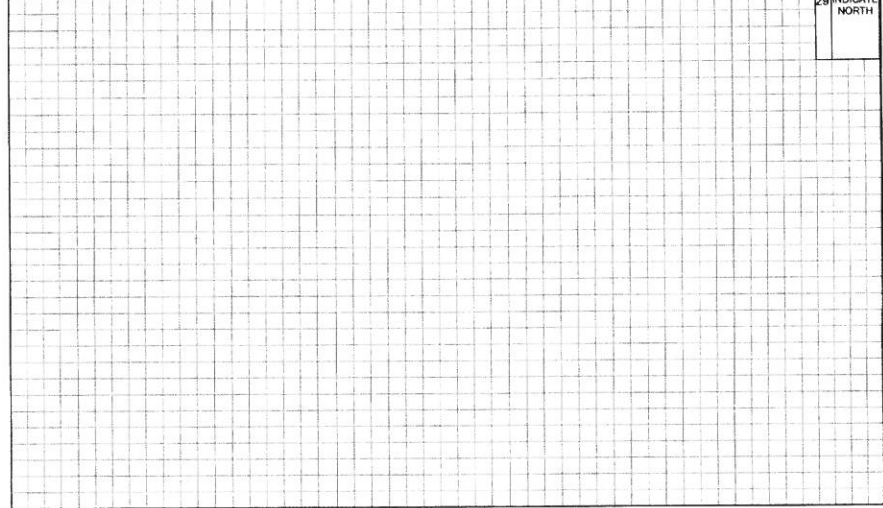
General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

ARIZONA CRASH REPORT		REPORT ID										Agency Report Number							
1	CONTINUED POLICE ONLY—FORWARD COPY TO ADOT TRAFFIC RECORDS SECTION, 064R 206 S. 17TH AVE., PHOENIX, ARIZONA 85007-3233	YEAR	MONTH	DAY	HOUR			NCIC NO.			OFFICER ID NO.			18-32694/963					
		1	8	0	3	1	8	2	2	0	0	0	7		1	2	9	1	1

28 **CRASH DIAGRAM** MEASUREMENTS ARE APPROXIMATE AND NOT TO SCALE
 MEASUREMENTS ARE SCALED (SCALE = _____)



30 **NARRATIVE** Describe what happened

Unit #1, a pedestrian, was crossing Mill Avenue eastbound, south of Curry Road, was not in a crosswalk and collided with V2, which was northbound on Mill Avenue in the #2 lane south of Curry Road.

The pedestrian was transported to a local hospital where she died as a result of the injuries sustained in the collision.

See narrative for addition information.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

ARIZONA CRASH REPORT		REPORT ID										Agency Report Number								
1 FATAL SUPPLEMENT POLICE ONLY - FORWARD COPY TO AOTI TRAFFIC RECORDS SECTION, 6648 206 S. 17 TH AVE, PHOENIX, ARIZONA 85007-3233		YEAR	MONTH	DAY	HOUR	NOIC NO	OFFICER ID NO	16-32694/963												
Name: Elaine Marie Herzberg		1	8	0	3	1	8	2	2	0	0	7	2	9	0	1	1	6	3	8
2 DECEASED	Type: <input type="checkbox"/> Driver <input checked="" type="checkbox"/> Pedestrian <input type="checkbox"/> Unknown Occupant Type <input type="checkbox"/> Passenger <input type="checkbox"/> Pedalcyclist <input type="checkbox"/> Unknown Non-Occupant Type	Sex: _____		Height: _____ Ft _____ In		Weight: _____		Date of Birth (MMDDYYYY): _____		Deceased at Scene: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Deceased Removed To: _____		Deceased Removed By: _____						
	Transferred to First Medical Facility: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		First Medical Facility Transferred To: Scottsdale Osborn Medical Center				Transferred to First Medical Facility By: _____				Tempe Fire Medic 276									
	Date of Death (MMDDYYYY): _____		0		3		1		8		2		0		1		8			
	Time of Death: _____		2		2		3		0											
3 CRASH SCENE	If Intersection or Intersection-Related, Indicate Type of Intersection:				Roadway Surface Type at Crash Scene:				Work Zone Type:											
	<input type="checkbox"/> 1 Four Way Intersection <input type="checkbox"/> 5 Roundabout <input type="checkbox"/> 2 T-Intersection <input type="checkbox"/> 6 Five-Point or More <input type="checkbox"/> 3 Y-Intersection <input type="checkbox"/> 7 Unimproved Intersection <input type="checkbox"/> 4 Traffic Circle <input type="checkbox"/> 8 Unknown				<input type="checkbox"/> 1 Concrete <input type="checkbox"/> 5 Dirt <input checked="" type="checkbox"/> 2 Blacktop, Bituminous, or Asphalt <input type="checkbox"/> 6 Other <input type="checkbox"/> 3 Brick or Block <input type="checkbox"/> 4 Unknown <input type="checkbox"/> 4 Slag, Gravel, or Stone				<input type="checkbox"/> 0 No Work Zone Present <input type="checkbox"/> 3 Utility <input type="checkbox"/> 1 Construction <input type="checkbox"/> 4 Work Zone, Type Unknown <input type="checkbox"/> 2 Maintenance											
4 VEHICLE INFORMATION	Trailer Vehicle Identification Number(s):		Extent of Damage:		Motor Vehicle Contributing Circumstances: (Check all that apply)															
	Unit # _____		UNIT # _____		UNIT # _____															
	Fire Occurrence: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		<input type="checkbox"/> 1 No Damage <input type="checkbox"/> 2 Minor Damage <input type="checkbox"/> 3 Functional Damage <input type="checkbox"/> 4 Disabling Damage <input type="checkbox"/> 5 Unknown Damage		<input type="checkbox"/> 0 None <input type="checkbox"/> 8 Wipers <input type="checkbox"/> 1 Tires <input type="checkbox"/> 9 Wheels <input type="checkbox"/> 2 Brake System <input type="checkbox"/> 10 Mirrors <input type="checkbox"/> 3 Steering <input type="checkbox"/> 11 Windows/Windshield <input type="checkbox"/> 4 Suspension <input type="checkbox"/> 12 Body/Doors <input type="checkbox"/> 5 Power Train <input type="checkbox"/> 13 Truck Couplings/ Trailer Hitch/Safety Chains <input type="checkbox"/> 6 Exhaust System <input type="checkbox"/> 14 Safety System <input type="checkbox"/> 7 Lights (Specify Head Signal Other) <input type="checkbox"/> 50 Other <input type="checkbox"/> 8 Unknown															
Under/Over/ride:		UNIT # _____		UNIT # _____																
<input type="checkbox"/> 1 No Under/Over/ride Noted <input type="checkbox"/> 2 Under/Over/riding a Motor Vehicle in Transport, Compartment Intrusion <input type="checkbox"/> 3 Under/Over/riding a Motor Vehicle in Transport, No Compartment Intrusion <input type="checkbox"/> 4 Under/Over/riding a Motor Vehicle in Transport, Compartment Intrusion Unknown <input type="checkbox"/> 5 Under/Over/riding a Motor Vehicle Not in Transport, Compartment Intrusion <input type="checkbox"/> 6 Under/Over/riding a Motor Vehicle Not in Transport, No Compartment Intrusion <input type="checkbox"/> 7 Under/Over/riding a Motor Vehicle Not in Transport, Compartment Intrusion Unknown <input type="checkbox"/> 8 Over/Over/riding a Motor Vehicle in Transport <input type="checkbox"/> 9 Over/Over/riding a Motor Vehicle Not in Transport <input type="checkbox"/> 10 Unknown if Over/Over/ride or Under/Over/ride Present																				
5 DRIVER INFORMATION	Driver Unit # 2		Driver Unit # _____		Racing Involved		UNIT # _____													
	Height: 5 Ft 07 In		Height: _____ Ft _____ In		UNIT # _____		<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes													
	Weight: 180		Weight: _____		Compliance with License Restrictions:		Compliance with CDL Endorsements:													
	UNIT # 2		UNIT # _____		UNIT # _____															
	<input type="checkbox"/> 0 No Restrictions <input type="checkbox"/> 1 Restrictions Complied With <input type="checkbox"/> 2 Restrictions Not Complied With <input checked="" type="checkbox"/> 3 Restrictions, Compliance Unknown <input type="checkbox"/> 51 Unknown		<input type="checkbox"/> 0 No Endorsements Required for Vehicle <input type="checkbox"/> 1 Endorsement(s) Required, Complied With <input type="checkbox"/> 2 Endorsement(s) Required, Not Complied With <input type="checkbox"/> 3 Endorsement(s) Required, Compliance Unknown <input type="checkbox"/> 51 Unknown if Required																	
Driver Maneuvered to Avoid:		Driver's Attempted Avoidance Maneuver (Check Only One)		UNIT # _____																
<input type="checkbox"/> 1 Driver Did Not Maneuver to Avoid <input type="checkbox"/> 2 Object <input type="checkbox"/> 3 Poor Road Conditions (puddle, ice, pothole etc.) <input type="checkbox"/> 4 Live Animal <input type="checkbox"/> 5 Motor Vehicle (in transport, parked, working) <input type="checkbox"/> 6 Pedestrian, Pedalcyclist or Other Non-Motorist <input type="checkbox"/> 7 Non-Contact Motor Vehicle <input type="checkbox"/> 51 Unknown		<input type="checkbox"/> 1 No Avoidance Maneuver <input type="checkbox"/> 2 Releasing Brakes <input type="checkbox"/> 3 Braking <input checked="" type="checkbox"/> 4 Steering Left <input type="checkbox"/> 5 Steering Right <input type="checkbox"/> 6 Braking and Steering Left <input type="checkbox"/> 7 Braking and Steering Right <input type="checkbox"/> 8 Braking and Unknown Steering Direction		<input type="checkbox"/> 9 Accelerating <input type="checkbox"/> 10 Accelerating and Steering Left <input type="checkbox"/> 11 Accelerating and Steering Right <input type="checkbox"/> 12 Accelerating and Unknown Steering Direction <input type="checkbox"/> 50 Other Actions <input type="checkbox"/> 51 Unknown if Avoidance Maneuver Attempted																
Driver Influencing Substances:		Driver Alcohol/Drug Testing Results		UNIT # _____																
Alcohol: Unit # 2, Unit # _____ <input checked="" type="checkbox"/> No Test Given <input type="checkbox"/> Test Given <input type="checkbox"/> Test Refused <input type="checkbox"/> Testing Unknown		Drugs: Unit # _____, Unit # _____ <input type="checkbox"/> No Test Given <input type="checkbox"/> Test Given <input type="checkbox"/> Test Refused <input type="checkbox"/> Testing Unknown		Alcohol Test Type: _____ Alcohol Test Results: 10 Drug Test Type: 000 Drug Test Results: _____																



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

6	EMS	Notification Time EMS: 2 2 0 1	Arrival Time EMS: 2 2 0 4	EMS Time at Hospital: 2 2 2 3																								
	7	<table border="1"> <tr> <th>Unit #</th> <th>Seat Pos.</th> <th>SID</th> <th>Ejection</th> <th>EJ. Path</th> <th>Extrication</th> <th>Transport</th> </tr> <tr> <td>1</td> <td>00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> </tr> <tr> <td>2</td> <td>11</td> <td>3</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>		Unit #	Seat Pos.	SID	Ejection	EJ. Path	Extrication	Transport	1	00	0	0	0	0	2	2	11	3	0	0	0	0	Seating Position 41 31 21 11 42 32 22 12 43 33 23 13 48 38 28 18 49 39 29 19 00 - Not Applicable/Non-Occupant 18, 28, 38, 48 - Additional passenger in vehicle by row (Ex: child in lap) 19, 29, 39, 49 - Unknown passenger location by row 50 - In enclosed passenger/cargo area 51 - In unenclosed passenger/cargo area 52 - Riding on vehicle exterior 53 - Riding in trailing unit 54 - Sleeper section of cab (truck) 55 - Unknown location			
Unit #		Seat Pos.	SID	Ejection	EJ. Path	Extrication	Transport																					
1	00	0	0	0	0	2																						
2	11	3	0	0	0	0																						
8	MOTOR VEHICLE OCCUPANT/NON-OCCUPANT INFORMATION	Safety Devices (SD) 0 - Not Applicable/None Used 1 - Lap Belt Only 2 - Shoulder Belt Only 3 - Shoulder and Lap Belt Used 4 - Restraint - Type Unknown 5 - Other Specify 6 - Child Restraint - Forward Facing 7 - Child Restraint - Rear Facing 8 - Booster Seat 9 - Child Restraint - Type Unknown 10 - No Helmet 11 - DOT-Compliant Motorcycle Helmet 12 - Helmet, Other Than DOT-Compliant MC Helmet 13 - Helmet, Unknown if DOT-Compliant 50 - Unknown if Helmet Worn 51 - Unknown		Ejection 0 - Not Ejected/Not Applicable 1 - Ejected, Totally 2 - Ejected, Partially 3 - Ejected, Unknown Degree 51 - Unknown if Ejected	Ejection Path 0 - Not Applicable 1 - Through Side Door Opening 2 - Through Side Door Window 3 - Through Windshield 4 - Through Back Window 5 - Through Back Door/Tailgate Opening 6 - Through Roof Opening 7 - Through Roof (convertible roof up) 8 - Other Path (Back of pick-up truck) 51 - Ejection Path Unknown	Extrication 0 - Not Applicable 1 - Not Extricated 2 - Extricated 51 - Unknown if Extricated	Transport to First Medical Facility 0 - Not Transported 1 - EMS Air 2 - EMS Ground 3 - EMS Unknown Mode 4 - Law Enforcement 5 - Transported Unknown Source 6 - Other 51 - Unknown if Transported																					
		Motorcycle Body Style Motorcycles - Two Wheel Styles UNIT # <input type="checkbox"/> 1 Two Wheel Motorcycle <input type="checkbox"/> 2 Moped or Motorized Bicycle <input type="checkbox"/> 3 Off-Road Motorcycle <input type="checkbox"/> 4 Motor Scooter <input type="checkbox"/> 5 Other Motorized Cycle Type <input type="checkbox"/> 50 Unknown Motorized Cycle Type	Motorcycles - Three Wheel Styles UNIT # <input type="checkbox"/> 11 Three Wheel Motorcycle (2 rear wheels) <input type="checkbox"/> 12 Unenclosed Three Wheel Motorcycle/Unenclosed Autocycle (1 rear wheel) <input type="checkbox"/> 13 Enclosed Three Wheel Motorcycle/Enclosed Autocycle (1 rear wheel) <input type="checkbox"/> 51 Unknown Three Wheel Motorcycle Type <input type="checkbox"/> 60 ATV/ATC (All Terrain Cycle)																									
9	NON-OCCUPANT INFORMATION	Non-Occupant Person Type UNIT # <input type="checkbox"/> 1 Pedestrian <input type="checkbox"/> 2 Cyclist <input type="checkbox"/> 3 Person on Personal Conveyance (skates, skateboards, wheelchairs, etc.) <input type="checkbox"/> 4 Other Cyclist (unicycle, tricycle) <input type="checkbox"/> 5 Person in/on Building <input type="checkbox"/> 6 Occupant of a Non-Motor Vehicle Transport Device (train, on an animal) <input type="checkbox"/> 51 Unknown Type of Non-Motorist		Non-Occupant Safety Equipment: (Check all that apply) UNIT # <input type="checkbox"/> 0 None Used <input type="checkbox"/> 1 Protective: <input type="checkbox"/> 1 Helmet <input type="checkbox"/> 2 Protective Pads <input type="checkbox"/> 3 Other Protective Safety Equipment <input type="checkbox"/> 4 Reflective Clothing <input type="checkbox"/> 5 Lighting Use <input type="checkbox"/> 6 Other <input type="checkbox"/> 51 Unknown if Used																								
		Non-Occupant Influencing Substances <table border="1"> <tr> <th colspan="2">Alcohol</th> <th colspan="2">Drugs</th> </tr> <tr> <th>Unit #</th> <th>Unit #</th> <th>Unit #</th> <th>Unit #</th> </tr> <tr> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Alcohol		Drugs		Unit #	Unit #	Unit #	Unit #	1	1	1	1	✓												Non-Occupant Alcohol/Drug Testing Results Unit # Alcohol Test Type: _____ Alcohol Test Results: _____ Drug Test Type: _____ Drug Test Results: _____
Alcohol		Drugs																										
Unit #	Unit #	Unit #	Unit #																									
1	1	1	1																									
✓																												
10	COMMENTS																											
1	Officer's Name / Badge #	Supervisor's Signature	Agency Name	Date Completed																								
1	T. Haubold #11638	S. CARBAJAL #11793	Tempe Police Department	4/01/18																								



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

G.O. NUMBER: 18-32694 OFFICER NAME/SERIAL #: LOERA #22191

TEMPE POLICE DEPARTMENT COLLISION STATEMENT

STATEMENT COMPLETED BY:

Driver: Passenger: Witness:

BASIC INFORMATION

First Name: <u>Rafael</u>	Last Name: <u>Vazquez</u>	Date of Birth: [REDACTED]	Phone Number: [REDACTED]
Street Address: [REDACTED]		City: [REDACTED]	State: Zip Code: [REDACTED]

DRIVERS ONLY

Insurance Company Name:	Policy Number:	Expiration Date:	Phone Number
-------------------------	----------------	------------------	--------------

Direction of travel (circle one): NORTH SOUTH EAST WEST

Lane of travel: 2

Approximate speed at the time of the collision: _____ MPH.

PASSENGERS IN YOUR VEHICLE (if any)

First Name:	Last Name:	Date of Birth:	Phone Number:	Mark Seat Position																				
Complete Address:				<table border="1"><tr><td></td><td></td><td></td><td></td><td>D</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>					D															
				D																				

First Name:	Last Name:	Date of Birth:	Phone Number:	Mark Seat Position																				
Complete Address:				<table border="1"><tr><td></td><td></td><td></td><td></td><td>D</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>					D															
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First Name:	Last Name:	Date of Birth:	Phone Number:	Mark Seat Position																				
Complete Address:				<table border="1"><tr><td></td><td></td><td></td><td></td><td>D</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>					D															
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First Name:	Last Name:	Date of Birth:	Phone Number:	Mark Seat Position																				
Complete Address:				<table border="1"><tr><td></td><td></td><td></td><td></td><td>D</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>					D															
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First Name:	Last Name:	Date of Birth:	Phone Number:	Mark Seat Position																				
Complete Address:				<table border="1"><tr><td></td><td></td><td></td><td></td><td>D</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>					D															
				D																				

COMPLETE REVERSE SIDE

TPD Form 709
Revised 09/2015



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

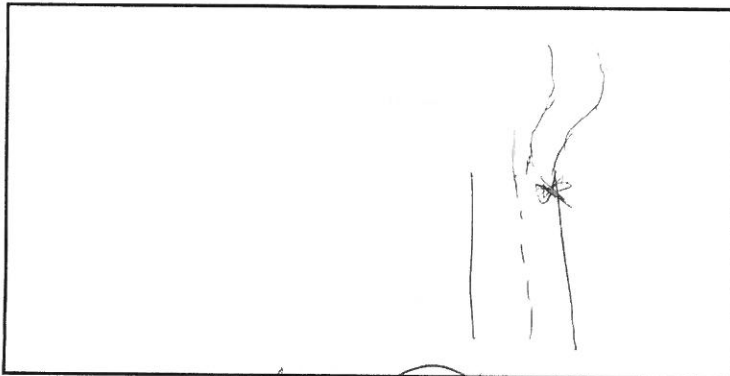
DETAILED COLLISION DESCRIPTION

The vehicle was in auto drive and suddenly a bicyclist appeared. I slammed on ~~both~~ brakes upon hitting the person.

WITNESSES ONLY

Approximate distance from the collision: _____

COLLISION DIAGRAM



Driver, Passenger, Witness Signature: [Signature]

Date: 3.18.18



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: KM - DRIVER HIGH REACTION TIME

Case# 18-32694 Detective: K. Marsland #20595

Avoidability of Crash Based on High Driver Reaction Time and Hyzer & Hyzer Approach

	Distance	Adjustment Factor	Result
Adjustment to Median	637.30	0.67	426.99
Adjustment for Expectancy	426.99	0.50	213.50
Adjustment to 15th Percentile	213.50	0.67	143.04

Assigned Speed (From Distance and EDR)	Speed: 43.50 mph	Distance Required to Stop: 68.54 ft
	Velocity: 63.77 fps	

Reaction Time (no expectancy) Time: 1.25 sec

Distance Traveled During P/R Distance: 79.71 ft

Remaining Distance to Impact Distance: 63.33 ft

DOES CAR REACH CRASH SITE?? YES

Time to Impact if vehicle HAD NOT Slowed Time: 0.99 s

Speed At Impact	Speed: 12.00 mph
	Velocity: 17.59 fps

Time to Slow Time: 1.56 sec

Additional Time Given to Ped Time: 0.57 sec

Extra Distance Ped Moves @ 3.18 mph Distance: 2.64 ft

Distance Ped Needs to Clear Hood Distance: 2.10 ft

IS CRASH AVOIDABLE?? YES



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Document

Description: NETFLIX SEARCH WARRANT

2018-32694

NETFLIX

Via EMAIL: michael_mccormick@tempe.gov

April 2, 2018

Tempe Police Department
Attn: Detective, Michael McCormick 22020

RE: 2018-32694

Netflix has received the Search Warrant dated March 22, 2018, involving email address [REDACTED]. Information, to the extent it exists, will be narrowed by the date range (if provided) and/or the date your request was issued.

Below is the available and responsive information for the Netflix accounts associated with your request. Please refer to the "request details" and the "production glossary." Note that Netflix's internal and confidential information that is non-responsive to your inquiry has been omitted from this production.

The production consists of 3 pages, including this cover page. Questions can be directed to legalprocess@netflix.com.

Request Details	
Identifier (Email):	[REDACTED]
Date and time Range (if any):	March 18, 2018 2100 hours to 2300 hours (MST)

1 account is associated with the identifier provided.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

NETFLIX

Production

Account:

Rafaela Vasquez

CID: [REDACTED]

Member Since: Mar 27, 2017

United States (North America) | English | USD

MOP: MC 2672 (3/2019)

Phone: Ending in [REDACTED]

Active Profiles: 5

Concurrent Streams (active/max): 0/2

[REDACTED]

Streaming

Membership: Active

Plan: 2 screens at a time + HD (10.99 USD)

Next Billing Date: Apr 29, 2018

Plan History

Account Opened in UTC Account Closed in UTC

2017-03-28 06:25:21.398+0000

Viewing History:

Please be advised there is no Viewing History available for the requested date and time, March 18, 2018, 2100 - 2300 hours MST.



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NETFLIX

Production Glossary

Netflix collects limited personal data from our members. All that is required to sign up for the Netflix streaming service is an email address and a valid method of payment. To locate records, at least one of these identifiers (email address or the full method of payment) associated with the Netflix account is required. **Please be advised that data is only retained for a limited time.**

Category	About this category
Account (Times listed in PDT)	Contains current registration information and membership status of the Netflix account. "Member Since" - date is when an email address was entered into our system to create the account. "MOP" - last four digits of the method of payment currently associated with the account. "Phone" - last four digits of the phone number associated with the streaming service. "Never-Member" occurs when sign-up was never completed.
Plan History (Times listed in UTC)	"Account Opened" is the date when a method of payment was added to the account. May also contain a date and timestamp of when an account was closed.
Viewing History (Times listed in PDT)	Contains information related to the available viewing activity for the account. Includes title, timestamp and the device used to stream the content. Attributes column may contain "autoplay."



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Google LLC
1600 Amphitheatre Parkway
Mountain View, California 94043



USLawEnforcement@google.com

www.google.com

CERTIFICATE OF AUTHENTICITY

I hereby certify:

1. I am employed by Google LLC ("Google"), located in Mountain View, California. I am authorized to submit this affidavit on behalf of Google. I have personal knowledge of the following facts, except as noted, and could testify competently thereto if called as a witness.
2. I am qualified to authenticate the records because I am familiar with how the records were created, managed, stored and retrieved.
3. Google provides Internet-based services.
4. Attached is a true and correct copy of records pertaining to the Google account-holder(s) identified with account(s) [REDACTED] with Google Ref. No. 1468015 ("Document"). Accompanying this Certificate of Authenticity as Attachment A is a list of hash values corresponding to each file produced in response to the Search Warrant.
5. The Document is a record made and retained by Google. Google servers record this data automatically at the time, or reasonably soon after, it is entered or transmitted by the user, and this data is kept in the course of this regularly conducted activity and was made by regularly conducted activity as a regular practice of Google.
6. The Document is a true duplicate of original records that were generated by Google's electronic process or system that produces an accurate result. The accuracy of Google's electronic process and system is regularly verified by Google.
7. Pursuant to 28 U.S.C. § 1746, I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

/s/ Tyler Zschach
(Signature of Records Custodian)

Date: 05/07/18

Tyler Zschach
(Name of Records Custodian)



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Google LLC
1600 Amphitheatre Parkway
Mountain View, California 94043



USLawEnforcement@google.com
www.google.com

05/07/18

Detective Michael McCormick
Tempe Police Department
120 East 5th Street
Tempe, AZ 85281

**Re: Search Warrant dated March 22, 2018 (Google Ref. No. 1468015)
2018-32694, SW2018oc3079**

Dear Detective McCormick:

Pursuant to the Search Warrant issued in the above-referenced matter, we have conducted a diligent search for documents and information accessible on Google's systems that are responsive to your request. Our response is made in accordance with state and federal law, including the Electronic Communications Privacy Act. See 18 U.S.C. § 2701 et seq.

Accompanying this letter is responsive information to the extent reasonably accessible from our system associated with the Google account(s), [REDACTED], as specified in the Search Warrant. We have also included a signed Certificate of Authenticity which includes a list of hash values that correspond to each file contained in the production. Google may not retain a copy of this production but does endeavor to keep a list of the files and their respective hash values. To the extent any document provided herein contains information exceeding the scope of your request, protected from disclosure or otherwise not subject to production, if at all, we have redacted such information or removed such data fields.

Please note that Google Wallet service data is under the control of Google Payment Corporation. Any request for such data must be specifically addressed to Google Payment Corporation and can be served through the email address googlepayments@google.com.

Finally, in accordance with Section 2706 of the Electronic Communications Privacy Act, Google may request reimbursement for reasonable costs incurred in processing your request.

Regards,

Tyler Zschach
Google Legal Investigations Support



TEMPE POLICE DEPARTMENT

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GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Google LLC
1600 Amphitheatre Parkway
Mountain View, California 94043

Google

USLawEnforcement@google.com
www.google.com

Attachment A: Hash Values for Production Files (Google Ref. No. 1468015)

██████████ - YouTubeWatchHistory.RecordingSettings.txt:

MD5- 852bee545e8a25c36df027da099d77d6

SHA512-

1ebaa68aa098a7d2b8680fce4cc0989c4f69e52c0e92d103b00d64ab5ad41df26d5c3cb5fcb02d2105
6e7cf30f1456944fb921444d556d57301d3000b866be42

██████████ - YouTubeWatchHistory.txt:

MD5- 7cd72f6c5b28be347d37797d6ccd9bfc

SHA512-

722c9f4781f4489e44deefec765b625955d4256efcbb93455f12129c566f85cf312aa8243f42432bbc
bab39f9ce63f4d8733196d408f76c7294a27768aac3f0a



TEMPE POLICE DEPARTMENT

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#####-YouTubewatchHistory.RecordingSettings.txt
* Google Confidential and Proprietary *

Google Account: [REDACTED]

YouTube Watch Recording Settings events:

* Google Confidential and Proprietary *



TEMPE POLICE DEPARTMENT

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* [REDACTED]-YouTubewatchHistory.txt
* Google Confidential and Proprietary *

Google Account: [REDACTED]

YouTube watch events:

* Google Confidential and Proprietary *



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

hulu

April 25, 2018

CONFIDENTIAL

Via Email

Detective McCormick
Tempe Police Department
120 East 5th Street
Tempe, AZ 85281

Dear Detective McCormick:

We received your Subpoena dated March 22, 2018 related to Report #2018-32694. The requested information is below:

Subscriber Name	Rafaela Vasquez
Email Address	[REDACTED]
Date of Birth	[REDACTED]
Subscription ID No.	[REDACTED]
Account Creation Date	November 21, 2016
Account Status	Billing Hold
Zip Code	[REDACTED]
Viewing History	Attachment A

Sincerely,
Hulu Legal
legal@hulu.com

2500 Broadway 2nd Floor
Santa Monica, CA 90404
www.hulu.com



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Attachment A

CONFIDENTIAL

Subscription ID	IP Address	Series	Episode	Source ID	Device	ISP	Start Time (in Pacific Standard Time)	End Time (in Pacific Standard Time)
80104807	99.203.14.117	Bones	Soccer Mom in the Mini-Van	SFDS4586-819F-4042-9FEC-0A8203E11687	iPhone 7,2	Sprint	2018-03-18 21:41:59	2018-03-18 21:42:16
80104807	99.203.14.117	Bones	Stargazer in a Puddle	SFDS4586-819F-4042-9FEC-0A8203E11687	iPhone 7,2	Sprint	2018-03-18 20:13:53	2018-03-18 20:56:45
80104807	99.203.14.117	Bones	Spaceman in a Crater	SFDS4586-819F-4042-9FEC-0A8203E11687	iPhone 7,2	Sprint	2018-03-18 18:45:22	2018-03-18 19:27:49
80104807	99.203.14.117	Bones	The Glowing Bones in the Old Stone House	SFDS4586-819F-4042-9FEC-0A8203E11687	iPhone 7,2	Sprint	2018-03-18 19:30:19	2018-03-18 19:53:01
80104807	99.203.14.117	Bones	The Widow's Son in the Windshield	SFDS4586-819F-4042-9FEC-0A8203E11687	iPhone 7,2	Sprint	2018-03-18 20:57:07	2018-03-18 21:40:05
80104807	99.203.14.117	Bones	The Glowing Bones in the Old Stone House	SFDS4586-819F-4042-9FEC-0A8203E11687	iPhone 7,2	Sprint	2018-03-18 19:53:27	2018-03-18 20:13:28



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Request for Records

Description: AZDOT - FARS / PATRICIA GEANS / EMAILED

Anderson, Allison

From: Patricia Geans <PGeans@azdot.gov>
Sent: Friday, May 18, 2018 2:04 PM
To: Anderson, Allison
Subject: Jan-Mar 2018 Missing Fatal PAR's
Attachments: JAN-MAR.xlsx

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon Allison

Attached is the JAN-MAR 2018 list of missing fatal Police Accident Reports (PAR's) that we have knowledge of and/or names of individuals that we have received a Death Certificate for or they are on our Medical Examiner's List and we have no other information. Could you please send a copy of the listed reports and any other fatal crash reports that we may not have listed to my attention at your earliest convenience? If you have no record of the crash or you know who the investigating agency is please let me know?

Thank You
Patricia Geans
FARS Analyst
 206 S 17th Ave MD 064R
 Phoenix, AZ 85007

602-712-6339 Office
 602-712-3488 Fax
 pgeans@azdot.gov



Please visit ADOT's website at
www.azdot.gov/crashreporting

and FARS website at
<http://www-fars.nhtsa.dot.gov>

Accident Fatality Report
Re: Elaine Herzberg
TPD Report #: 18-32694

TEMPE POLICE RELEASE
 TO: AZDOT
 DATE: 5-22-2018
 Dissemination is Restricted to
 Criminal Justice Agencies ONLY
 Secondary Dissemination to
 Non-Criminal Justice Agencies
 is Prohibited.

APA 22148

Confidentiality and Notice: This email transmission and any attachments are intended for use by the person(s) identified above and may contain confidential or privileged information. Any unauthorized use, disclosure or distribution is strictly prohibited. If you are not the intended recipient, please contact the sender by email, and delete or destroy all copies plus attachments.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Anderson, Allison

From: Pooley, Michael
Sent: Tuesday, May 22, 2018 12:00 PM
To: Anderson, Allison; Carbajal, Steven
Subject: RE: Jan-Mar 2018 Missing Fatal PAR's

Hi Allison,

You may have access to this report. Let me know what you need me to do to help you out with this.

Mike

From: Anderson, Allison
Sent: Tuesday, May 22, 2018 9:38 AM
To: Carbajal, Steven <steven_carbajal@tempe.gov>; Pooley, Michael <michael_pooley@tempe.gov>
Subject: FW: Jan-Mar 2018 Missing Fatal PAR's
Importance: High

Hello **Sgt. Carbajal & Cmdr. Pooley** - I received the request below from ADOT. They are for accident fatality reports they are missing. The attachment shows that they are following up on the reports regarding Penny Brown (GO 18-29910) and Elaine Herzberg (18-32694 – Privatized).

Sgt. Carbajal – As the report for Brown is OPEN do I have your approval to send the copy of the report to the requester below?

Cmdr. Pooley – As the report for Herzberg is Privatized may I get access to it to fulfill the request or would you rather handle this request?

Thank you for your assistance.

Respectfully,
Allison Anderson
Records Supervisor
Tempe PD - Records

From: Patricia Geans [<mailto:PGeans@azdot.gov>]
Sent: Friday, May 18, 2018 2:04 PM
To: Anderson, Allison <Allison_Anderson@tempe.gov>
Subject: Jan-Mar 2018 Missing Fatal PAR's

Good Afternoon Allison

Attached is the JAN-MAR 2018 list of missing fatal Police Accident Reports (PAR's) that we have knowledge of and/or names of individuals that we have received a Death Certificate for or they are on our Medical Examiner's List and we have no other information. Could you please send a copy of the listed reports and any other fatal crash reports that we may not have listed to my attention at your



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

earliest convenience? If you have no record of the crash or you know who the investigating agency is please let me know?

Thank You
Patricia Geans
FARS Analyst
206 S 17th Ave MD 064R
Phoenix, AZ 85007

602-712-6339 Office
602-712-3488 Fax
pgeans@azdot.gov



Please visit ADOT's website at
www.azdot.gov/crashreporting

and FARS website at
<http://www-fars.nhtsa.dot.gov>

Confidentiality and Non-disclosure Notice: This email transmission and any attachments are intended for use by the person(s)/party(ies) named above and may contain confidential/privileged information. Any unauthorized use, disclosure or distribution is strictly prohibited. If you are not the intended recipient, please contact the sender by email, and delete or destroy all copies plus attachments.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Anderson, Allison

From: PD-RecordsFileTransfer
Sent: Tuesday, May 22, 2018 1:17 PM
To: pgeans@azdot.gov
Subject: TPD Report 18-32694 (Accident Fatality)

Your Tempe Police documents have been sent electronically. To retrieve the requested item, click on the link. A login prompt will appear and you will need to enter the e-mail address that you are receiving this e-mail at. You will then receive a second e-mail where you can click it and retrieve the document. Be aware the report is still on Tempe's server and you either need to print it or save it within 2 weeks before it is deleted, and no longer available.

Files attached to this message

Filename	Size	Checksum (SHA256)
TPD18-32694.pdf	34.3 MB	949d139370219f3e604e7c7a4f85d4e21c1578606121a91b90415737092eac01

Please click on the following link to download the attachments:
<https://filetransfer.tempe.gov/message/#atEUz0kQriEtgEI3YvGL4>
 This email or download link can not be forwarded to anyone else.

The attachments are available until: **Tuesday, 5 June.**

Message ID: 1atEUz0kQriEtgEI3YvGL4

[Download Files](#)

City of Tempe file transfer site: <https://filetransfer.tempe.gov>



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Document

Description: PETITION FOR ORDER FOR COURT DISCLOSURE 18-0004

18-32694

CR 18-0004

TEMPE MUNICIPAL COURT
COUNTY OF MARICOPA, State of Arizona
PETITION FOR ORDER FOR DISCLOSURE OF RECORDS

STATE OF ARIZONA,)

: SS. Uber Technologies, Inc

COUNTY OF MARICOPA)

Your petitioner, Detective J. Seal #19343 being first duly sworn, upon oath, deposes and says that:

1. The Tempe Police Department has received information that the offense of manslaughter may have been committed on or about the 18th day of March, 2018.

2. I believe that the following record or other information is relevant to a legitimate law enforcement inquiry: Any and all employer personnel and training files pertaining to the employment of Rafael Vasquez (DOB [REDACTED]), and any and all documents related to company policies, procedures, and training requirements pertaining to drivers of autonomous vehicles.

3. I believe this information is relevant to an investigation concerning the offense listed in Paragraph 1 because: Rafael Vasquez was the driver of an Uber autonomous vehicle involved in a fatal collision and was employed by, and working for Uber at the time of the collision.

4. I believe this record or other information is presently held by the following company: Uber Technologies, Inc.

5. I believe this information is held by the above company because: Vasquez was employed by and working for Uber Technologies, Inc at the time of this collision.

WHEREFORE Petitioner prays that a court order be issued commanding the taking of such evidence from the company described herein, and commanding the cooperation of said person from whom the evidence is to be taken.



Detective J. Seal #19343
Tempe Police Department

SUBSCRIBED AND SWORN to before me this 21st day of March, 2018.

Municipal Court Judge, Tempe Municipal Court
County of Maricopa, State of Arizona



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

CR 18-0004

TEMPE MUNICIPAL COURT
COUNTY OF MARICOPA,
STATE OF ARIZONA

ORDER TO DISCLOSE A RECORD OR
OTHER INFORMATION

TO ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof having been made before me by that:

1. The matter specified by petition is a legitimate matter for law enforcement inquiry, and that there is reason to believe the following record or other information is relevant to a legitimate law enforcement inquiry: Any and all employer personnel and training files pertaining to the employment of Rafael Vasquez (DOB [REDACTED]), and any and all documents related to company policies, procedures, and training requirements pertaining to drivers of autonomous vehicles.

YOU ARE THEREFORE COMMANDED to serve this order on the following company; **Uber Technologies, Inc.**

and such company is hereby ordered to disclose to the executing peace officer on the date below or as soon as possible thereafter, the following record or other information: Any and all employer personnel and training files pertaining to the employment of Rafael Vasquez (DOB [REDACTED]), and any and all documents related to company policies, procedures, and training requirements pertaining to drivers of autonomous vehicles.

2. You are required not to disclose the existence of this Order to your subscriber. Any such disclosure could impede the investigation being conducted, and thereby interfere with the enforcement of the law.

Given under my hand and dated this 21st day of March, 2018.

Municipal Court Judge, Tempe Municipal Court
County of Maricopa, State of Arizona



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

CR 18-0003

TEMPE MUNICIPAL COURT

COUNTY OF MARICOPA,

STATE OF ARIZONA

ORDER TO DISCLOSE A RECORD OR

OTHER INFORMATION

TO ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof having been made before me by that:

1. The matter specified by petition is a legitimate matter for law enforcement inquiry, and that there is reason to believe the following record or other information: The medical records belonging to **Elaine Herzberg, DOB [REDACTED]**, is relevant to a legitimate law enforcement inquiry.

YOU ARE THEREFORE COMMANDED to serve this order on the following hospital; *Scottsdale Osborn Medical Center*.

and such hospital is hereby ordered to disclose to the executing peace officer on the date below or as soon as possible thereafter, the following record or other information: (1) Medical records/notes for Elaine Herzberg generated from injuries she was treated for that occurred on 03/18/18.

2. You are required not to disclose the existence of this Order to your subscriber. Any such disclosure could impede the investigation being conducted, and thereby interfere with the enforcement of the law.

Given under my hand and dated this 20th day of March, 2018.

Jana Fuller
Judge

Municipal Court Judge
Tempe Municipal Court
County of Maricopa,
State of Arizona



TEMPE POLICE DEPARTMENT

General Offense Report

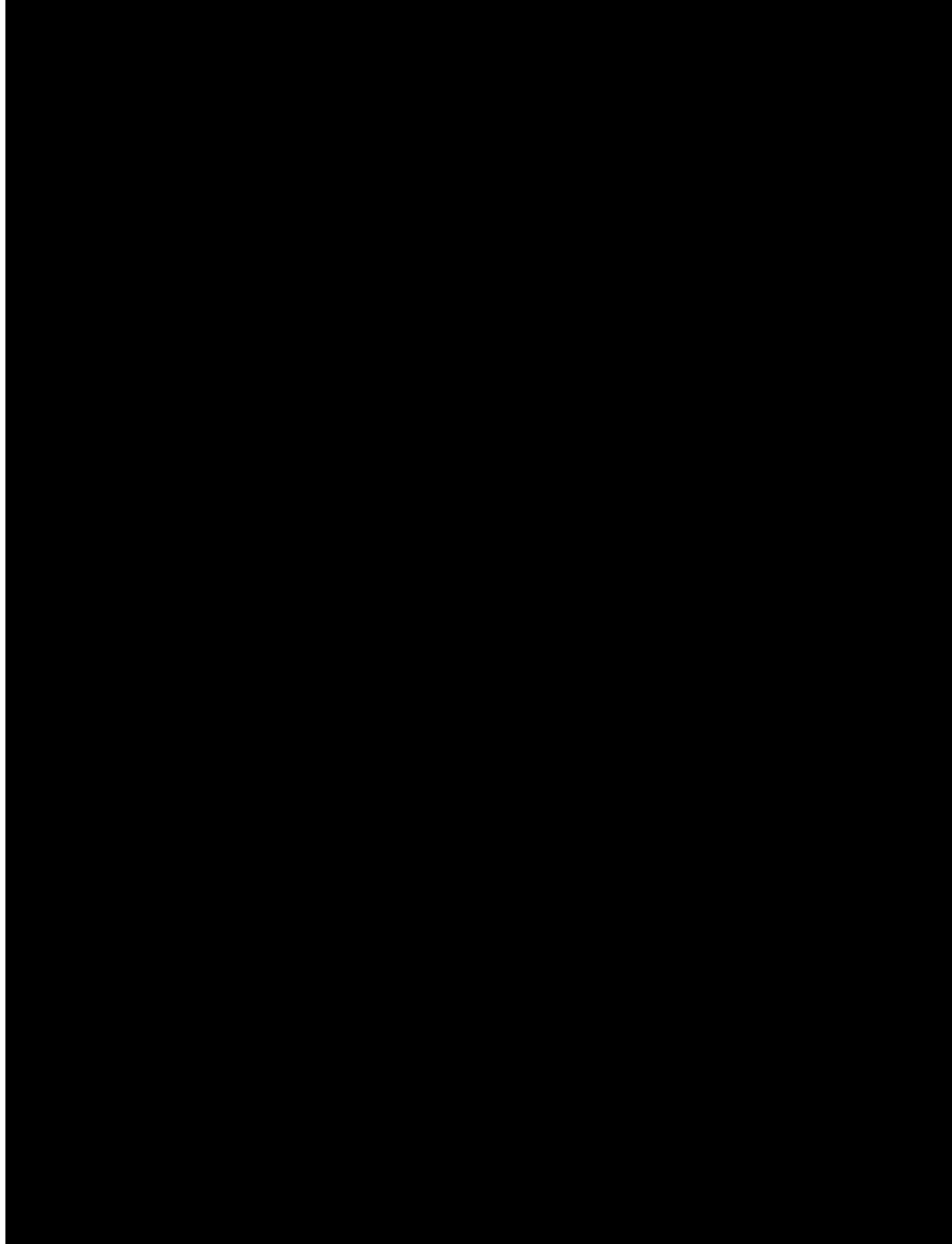
GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Attachment

Description: MED RECORDS FOR VICT E HERZBERG FROM SCOTTS OSBORN



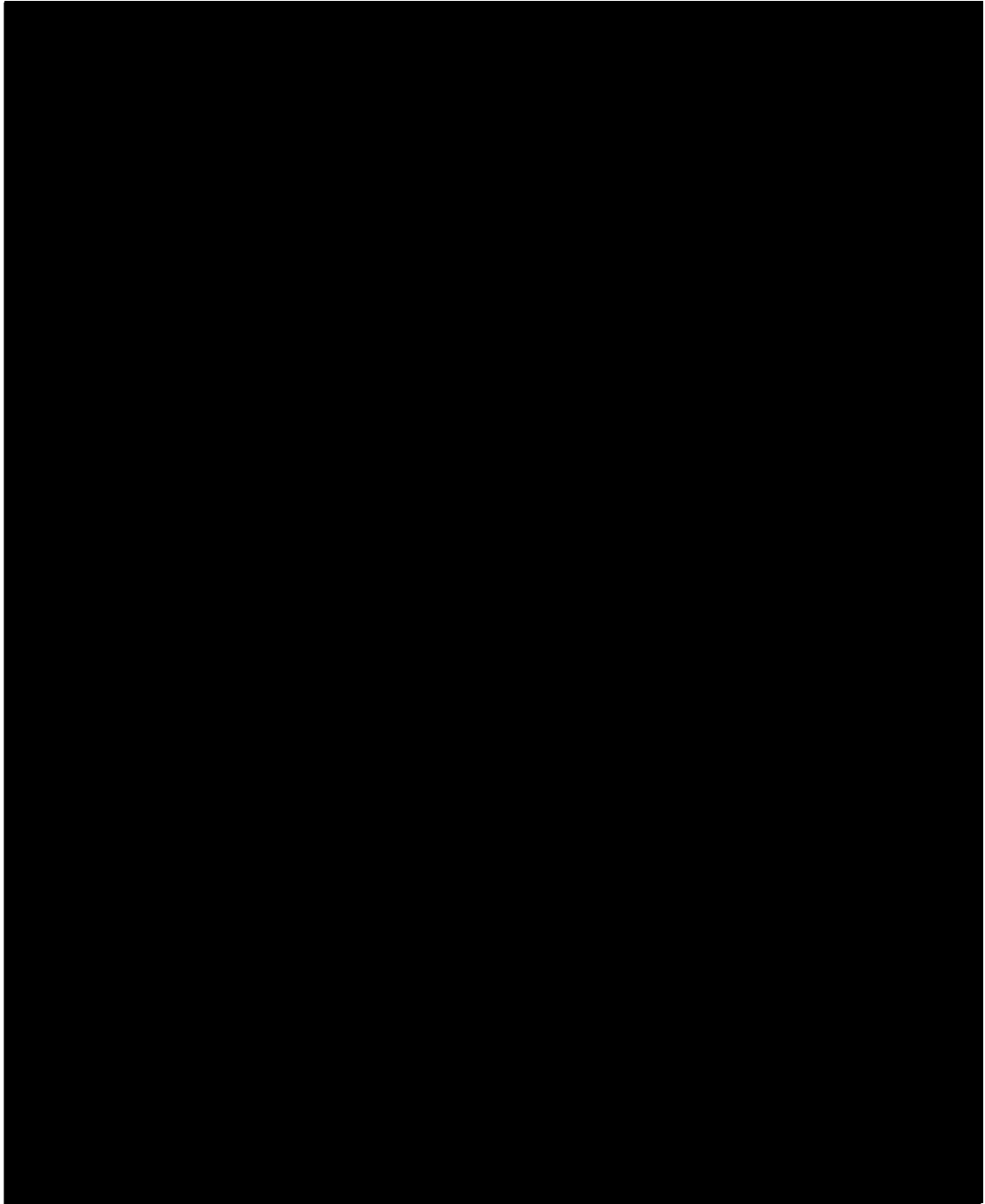


TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



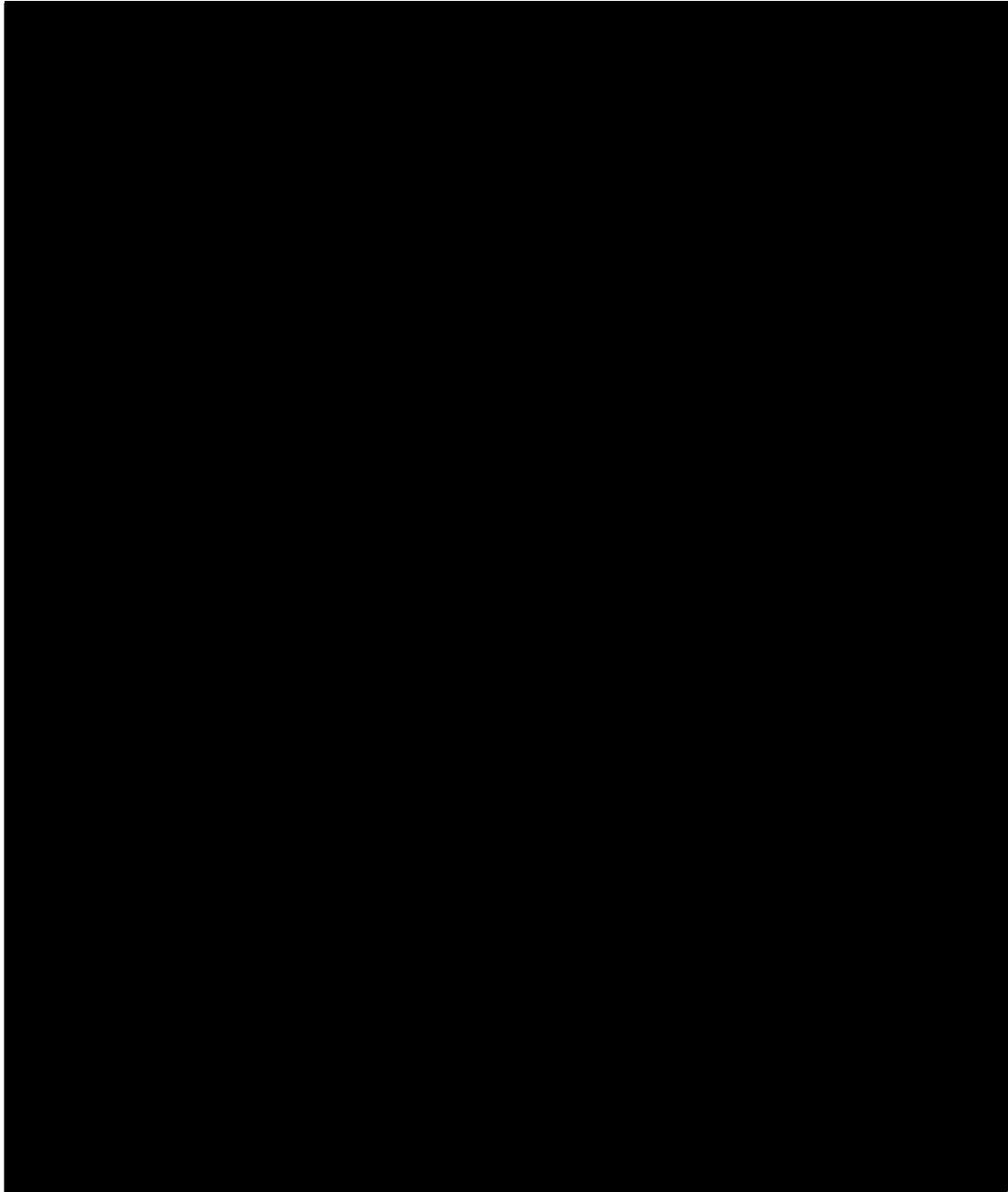


TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



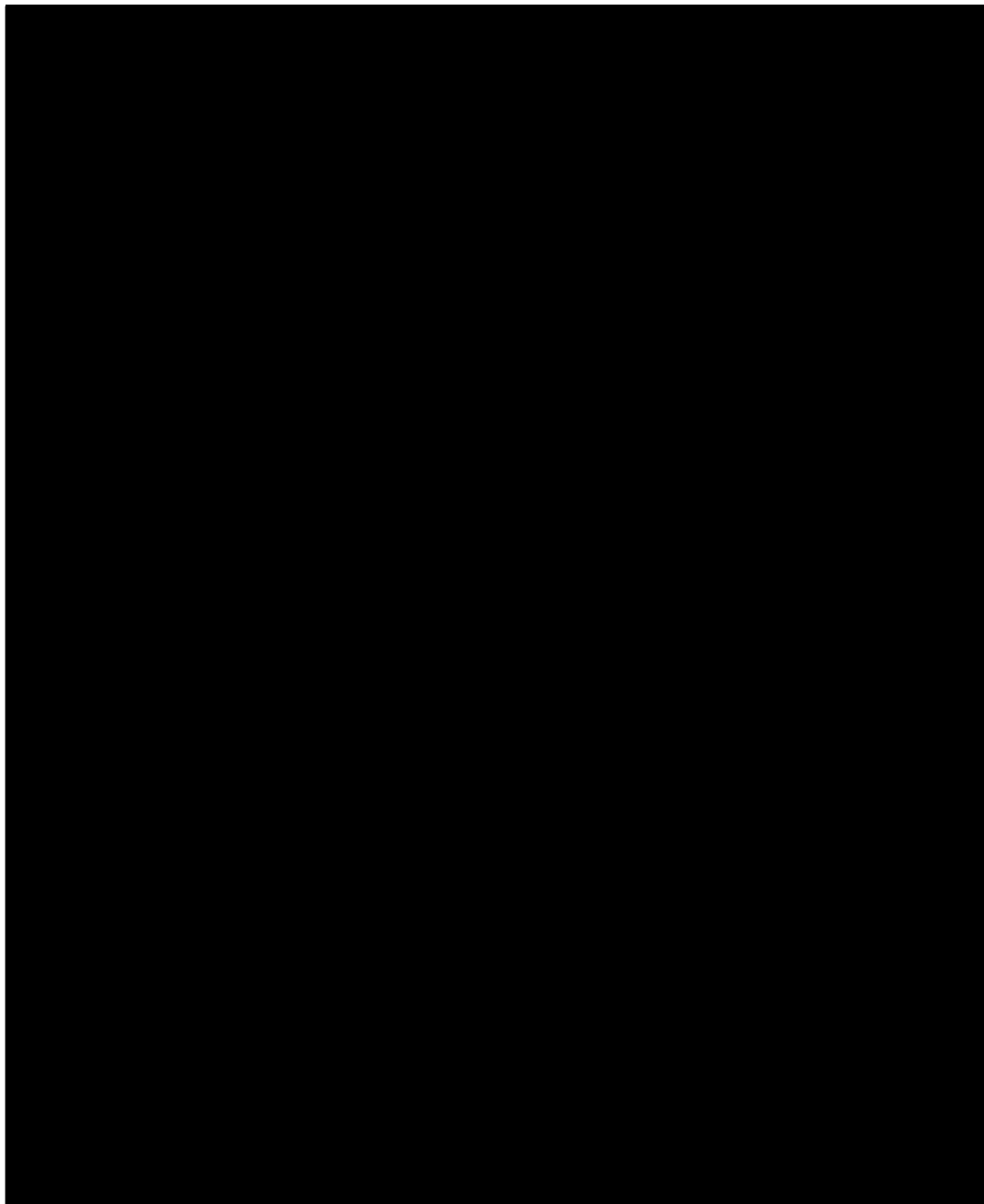


TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



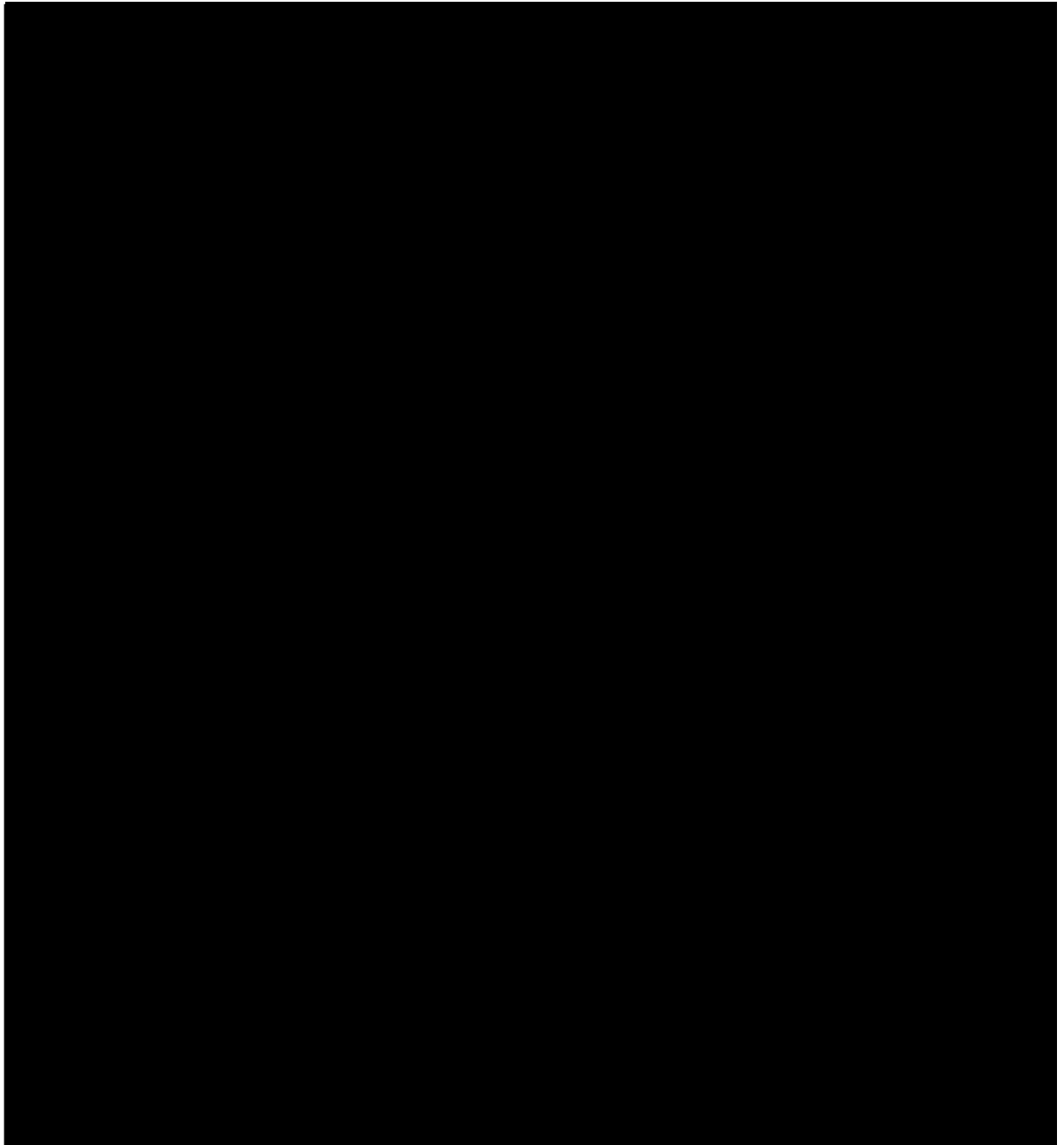


TEMPE POLICE DEPARTMENT

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GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



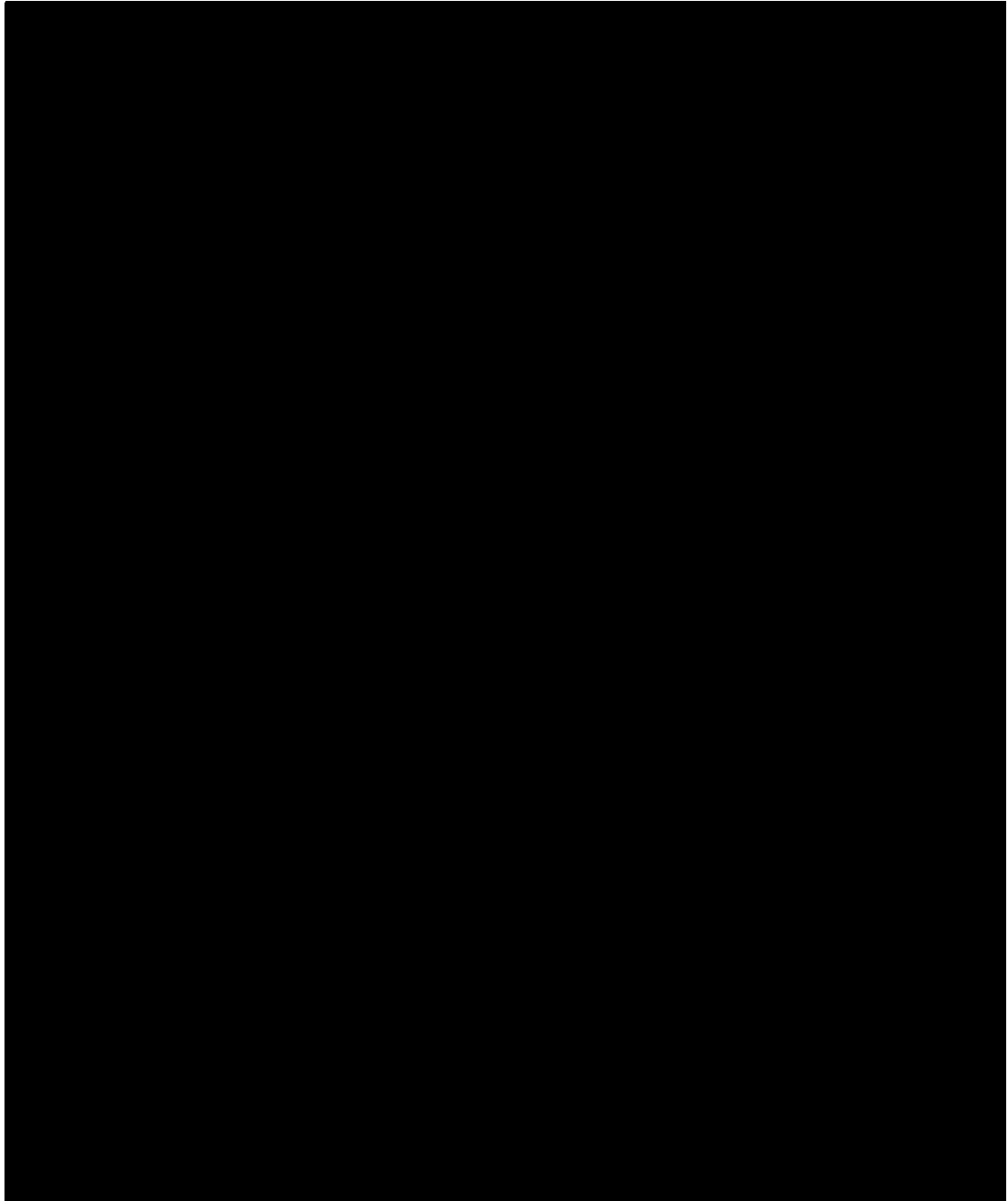


TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



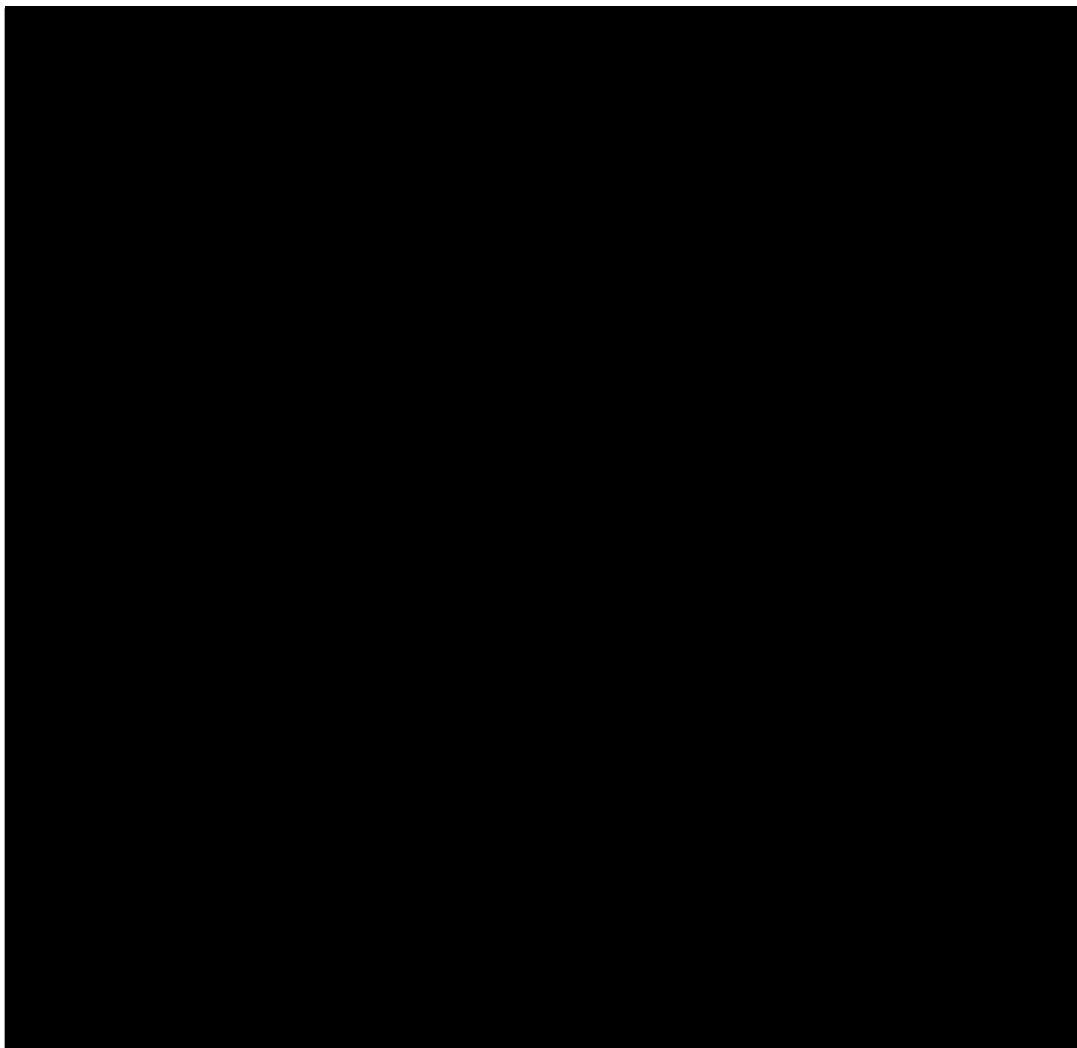


TEMPE POLICE DEPARTMENT

General Offense Report

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Operational Status: ADMINISTRATIVE



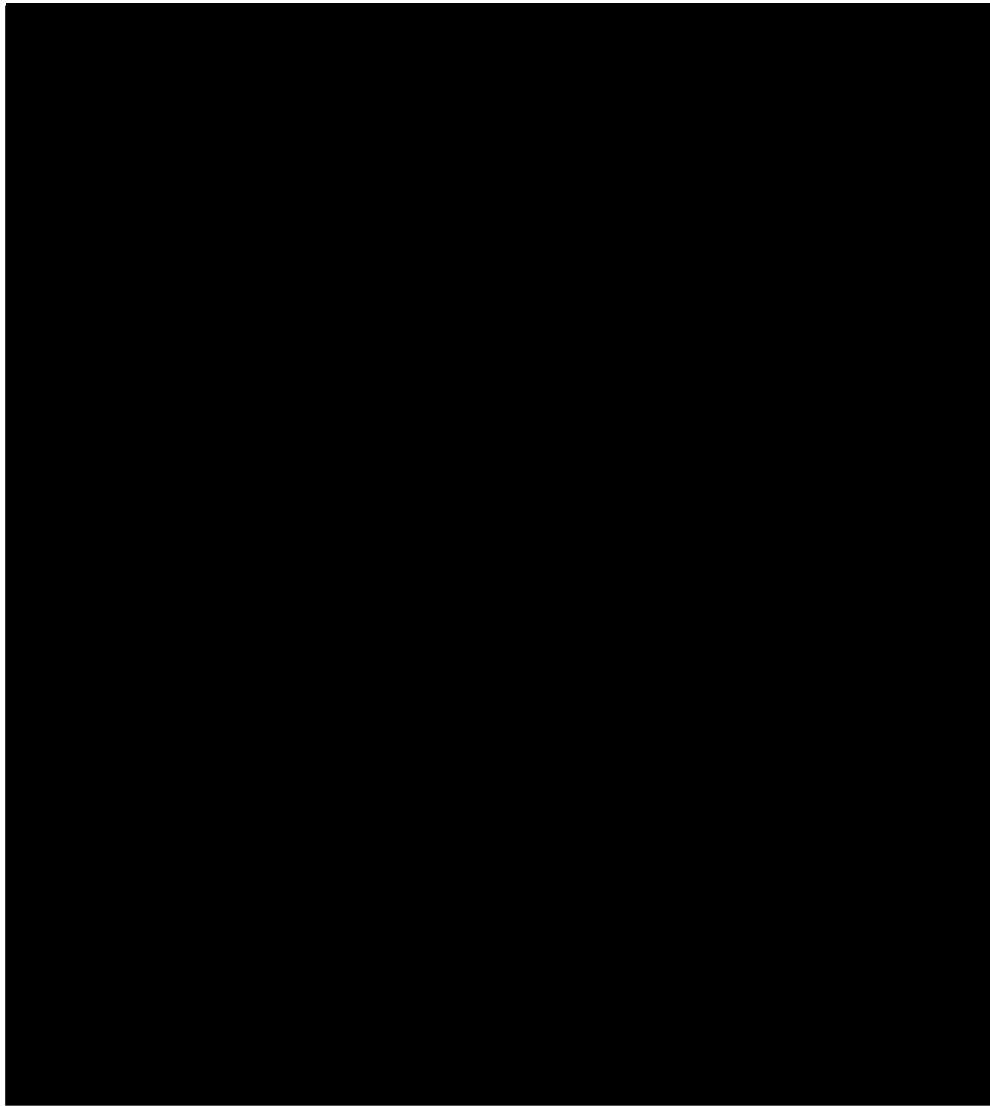


TEMPE POLICE DEPARTMENT

General Offense Report

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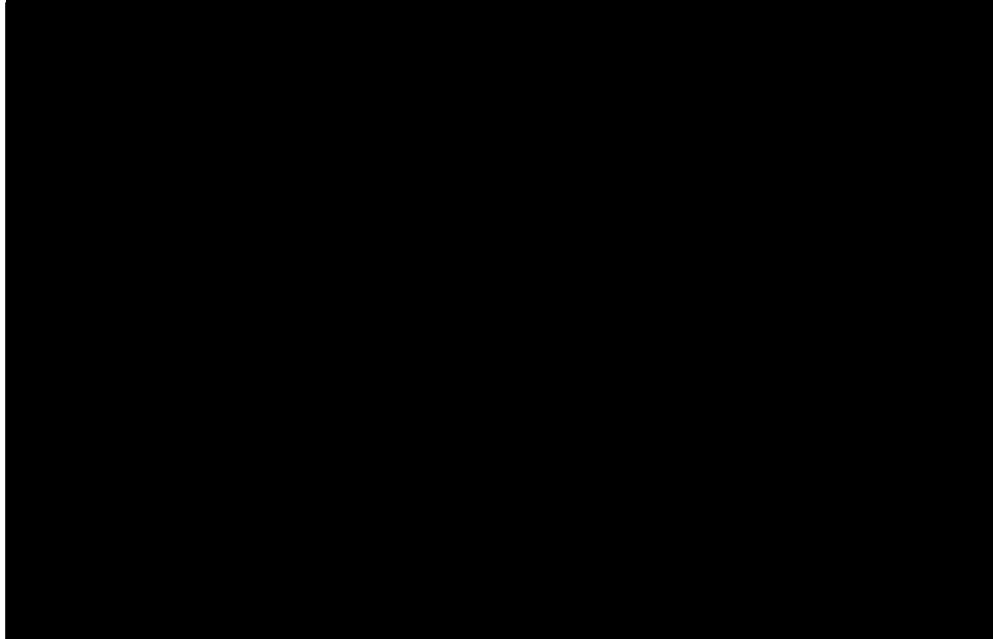


TEMPE POLICE DEPARTMENT

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Operational Status: ADMINISTRATIVE



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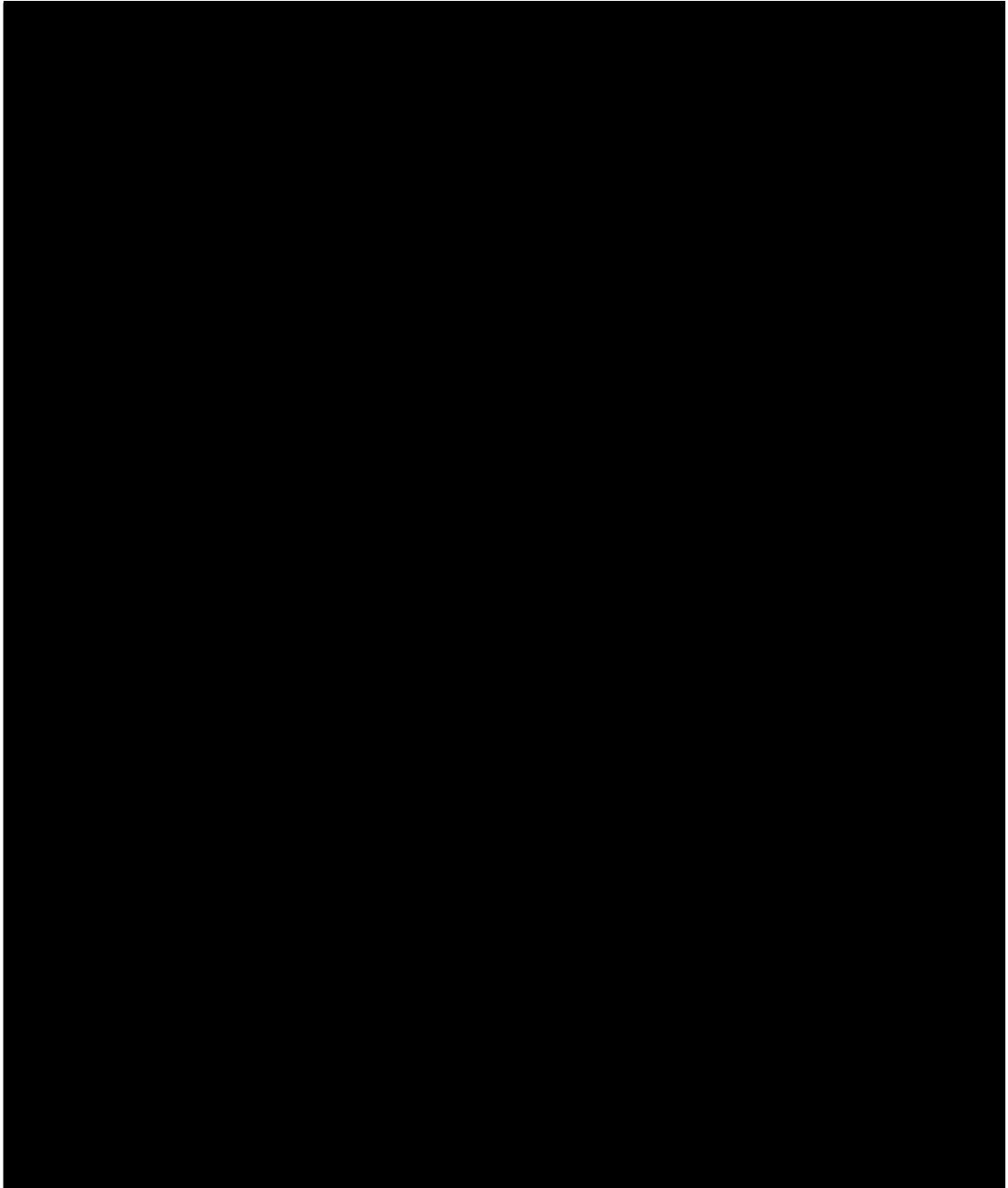


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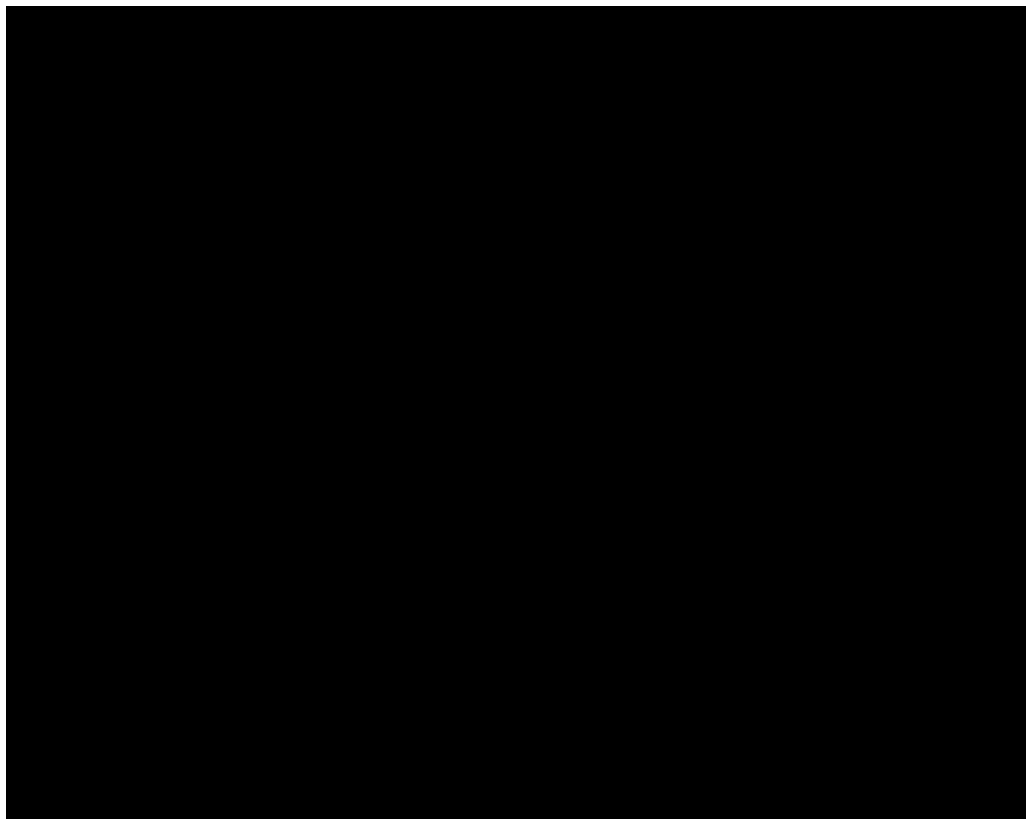


TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



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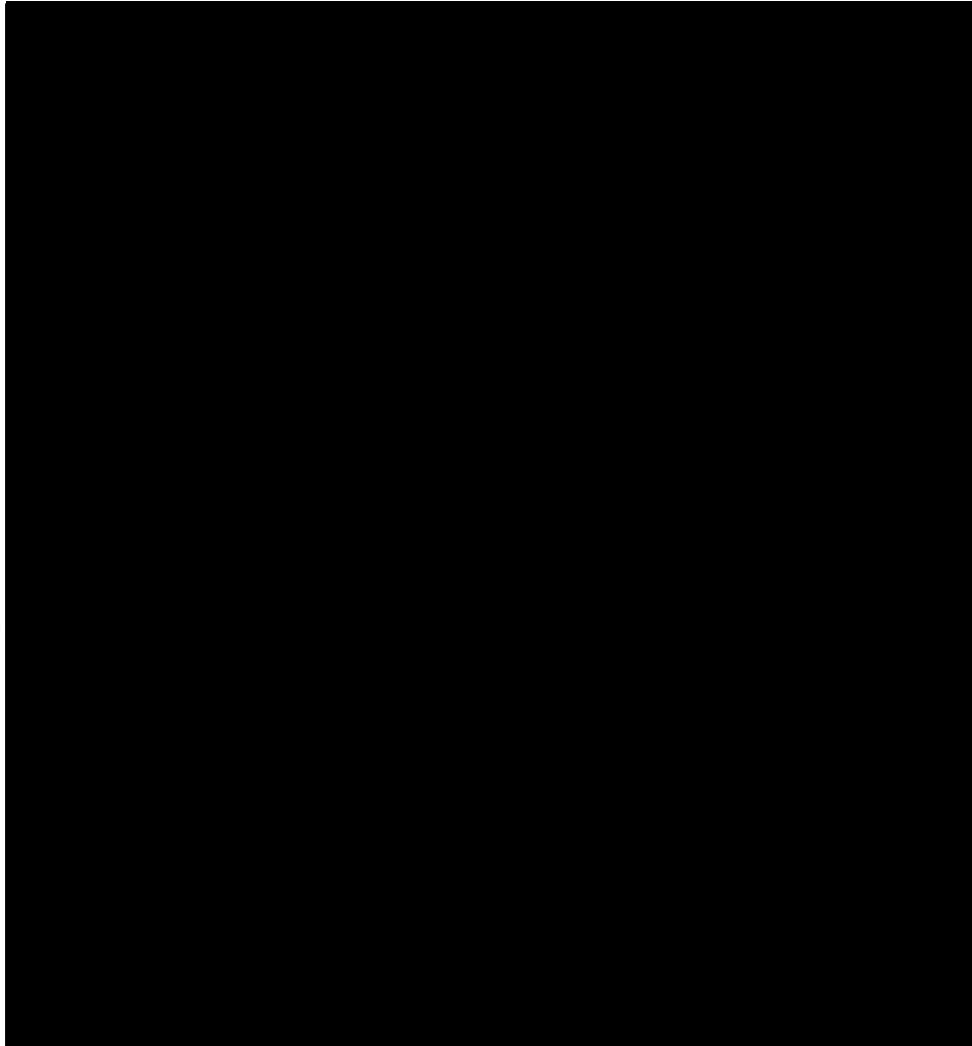


TEMPE POLICE DEPARTMENT

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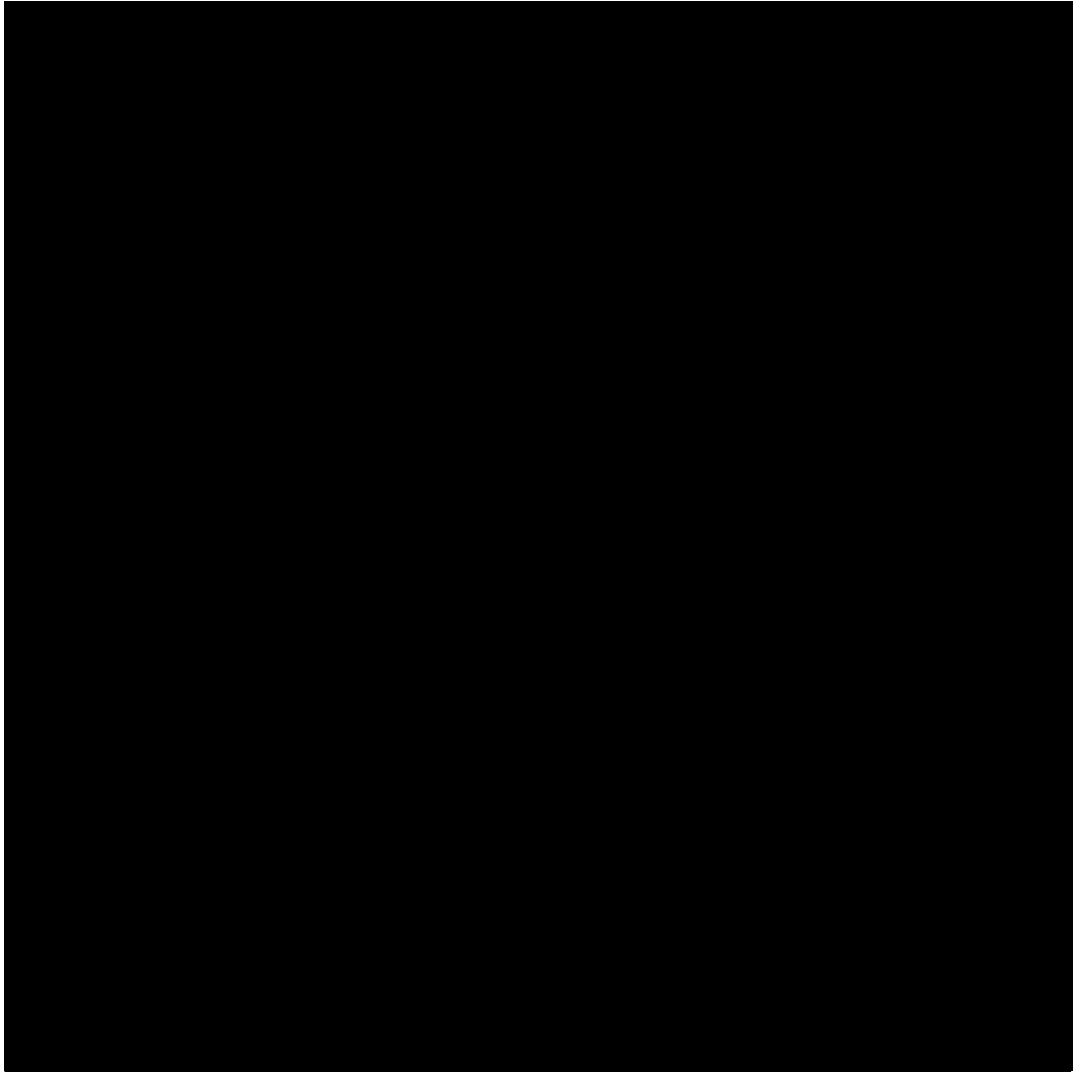


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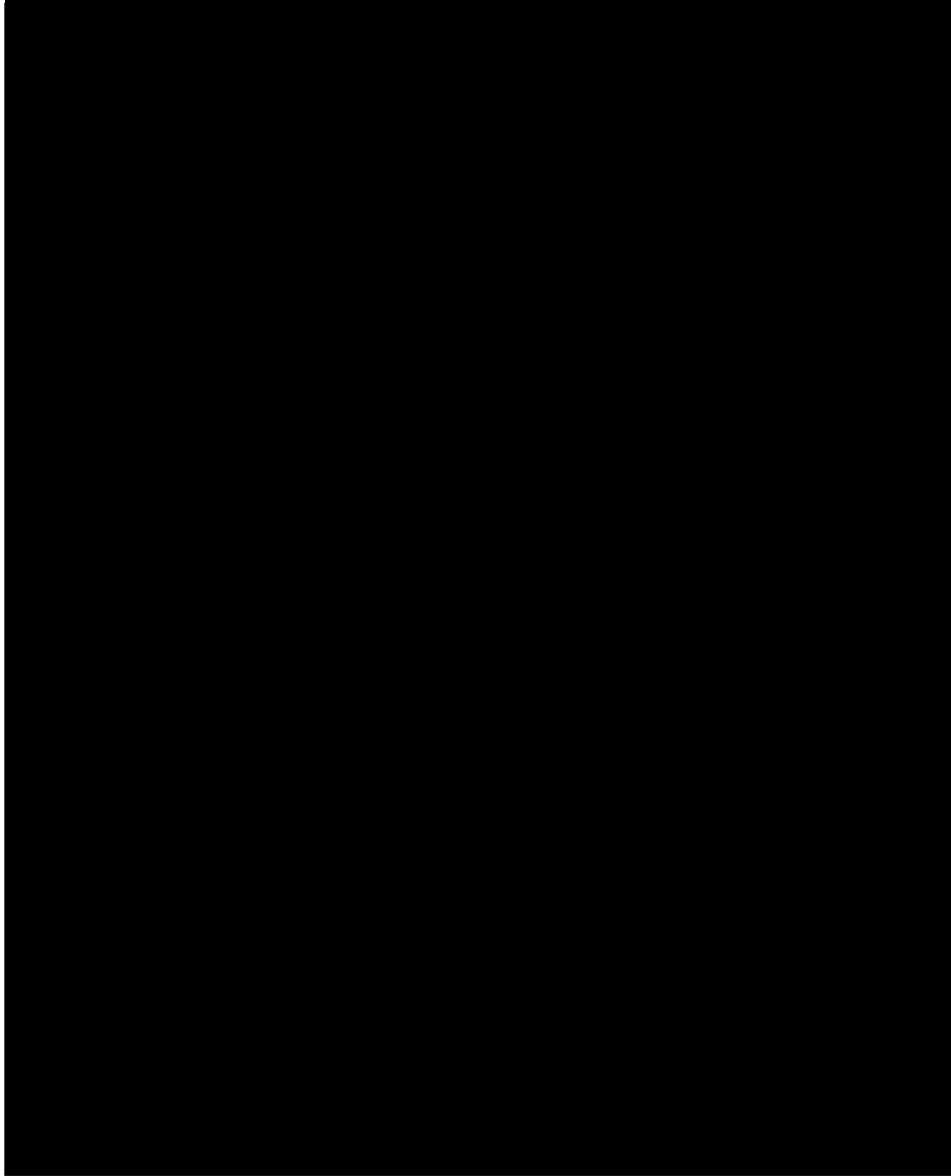


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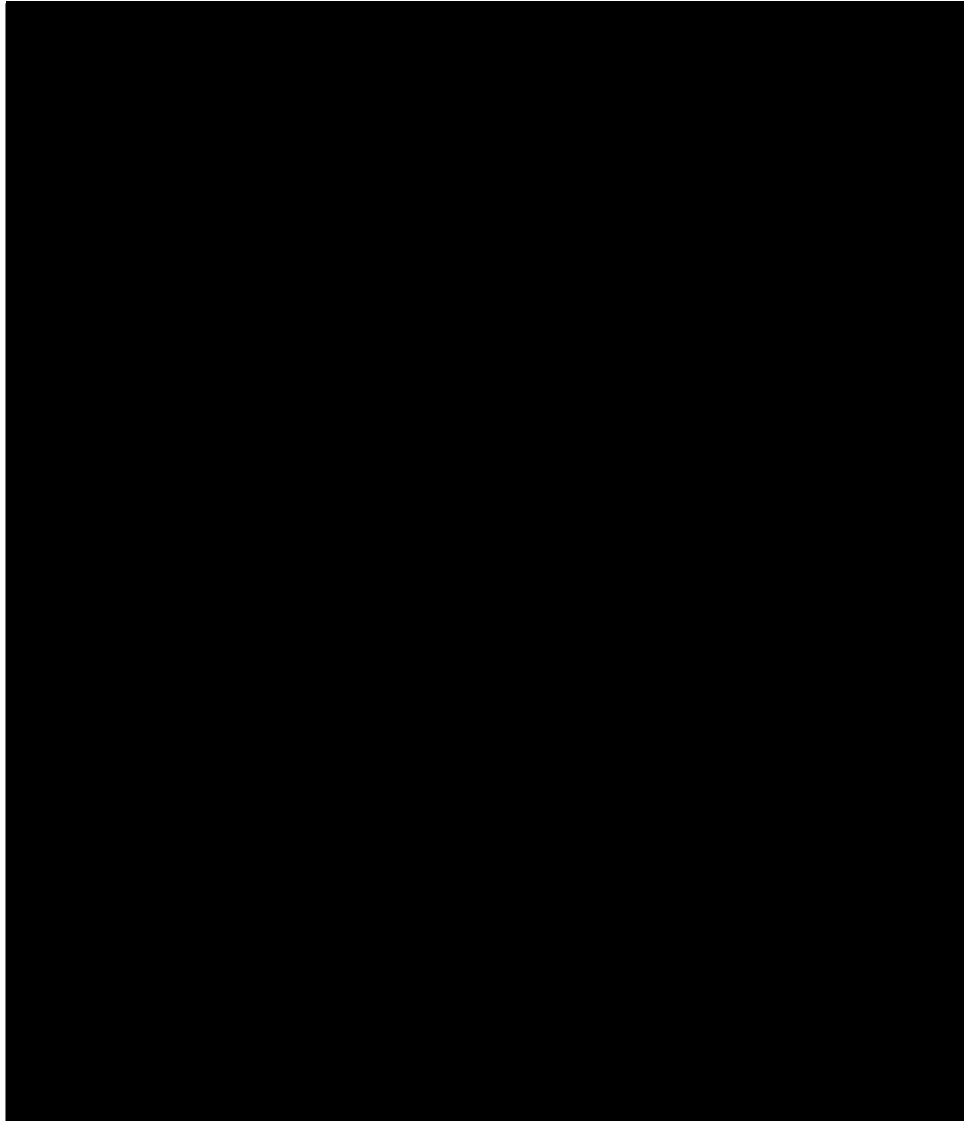


TEMPE POLICE DEPARTMENT

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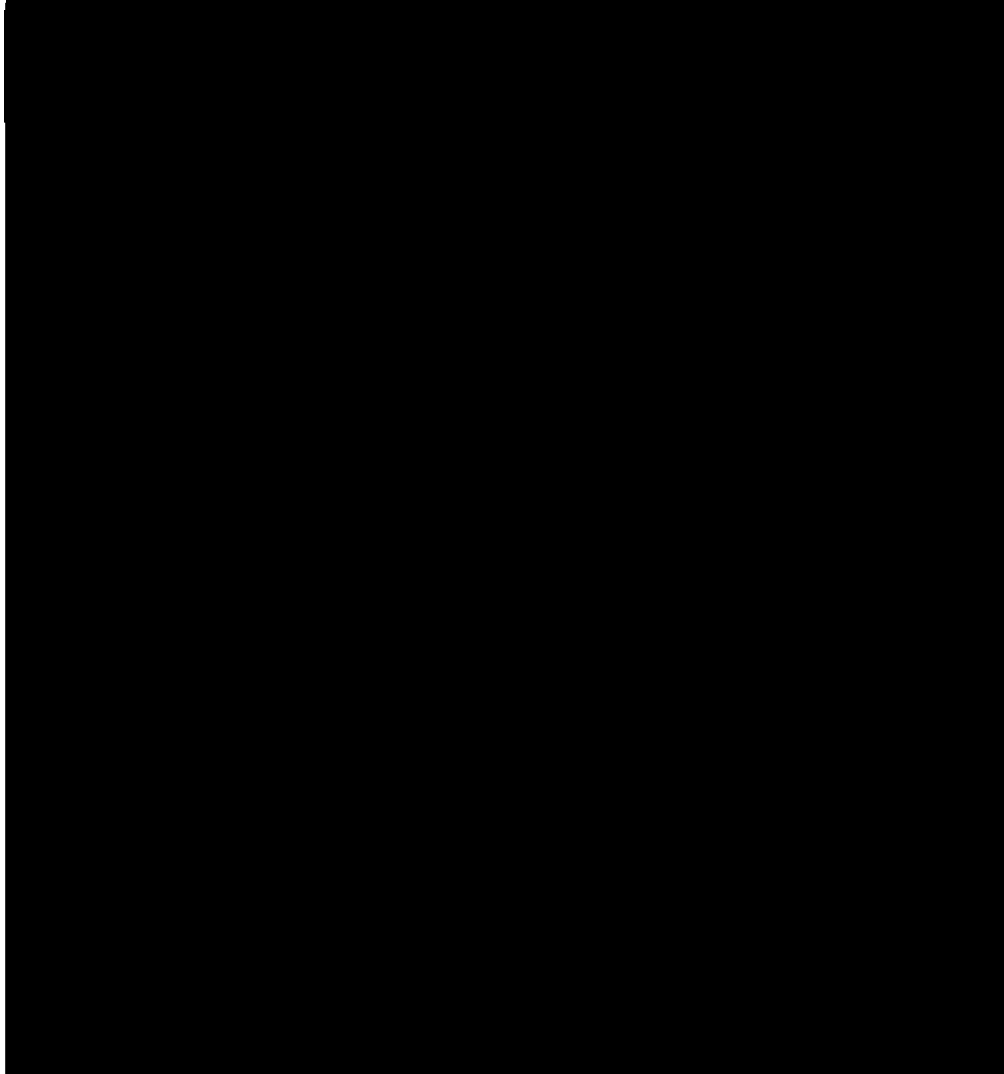


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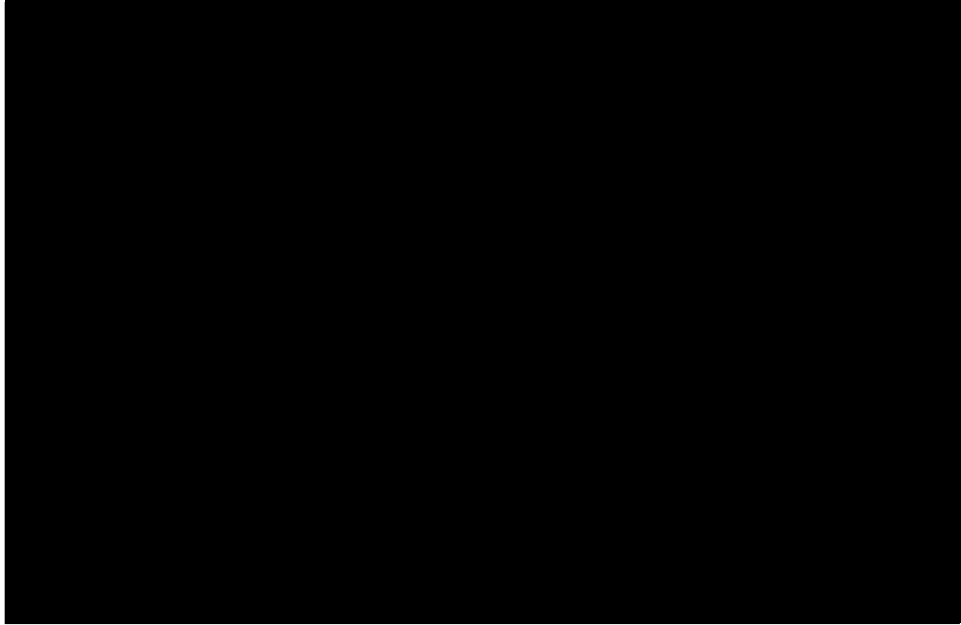


TEMPE POLICE DEPARTMENT

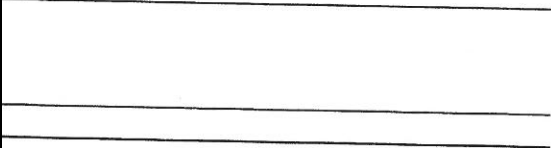
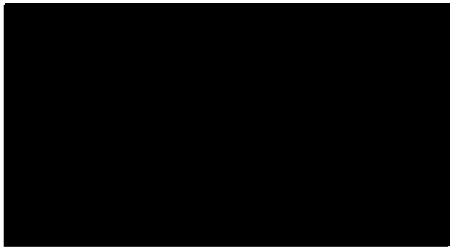
General Offense Report

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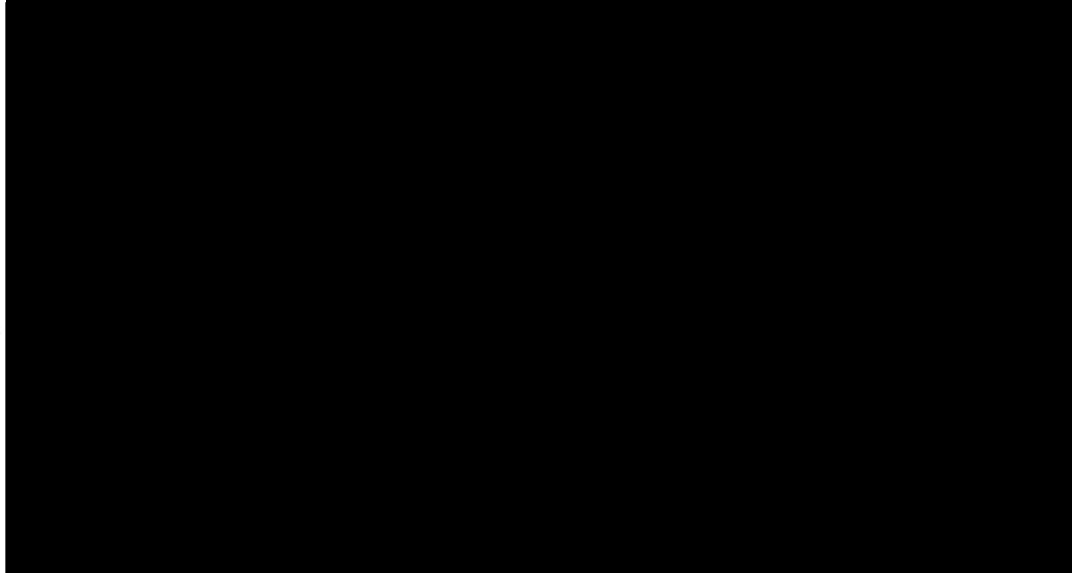


TEMPE POLICE DEPARTMENT

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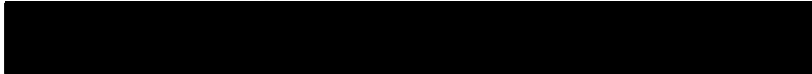
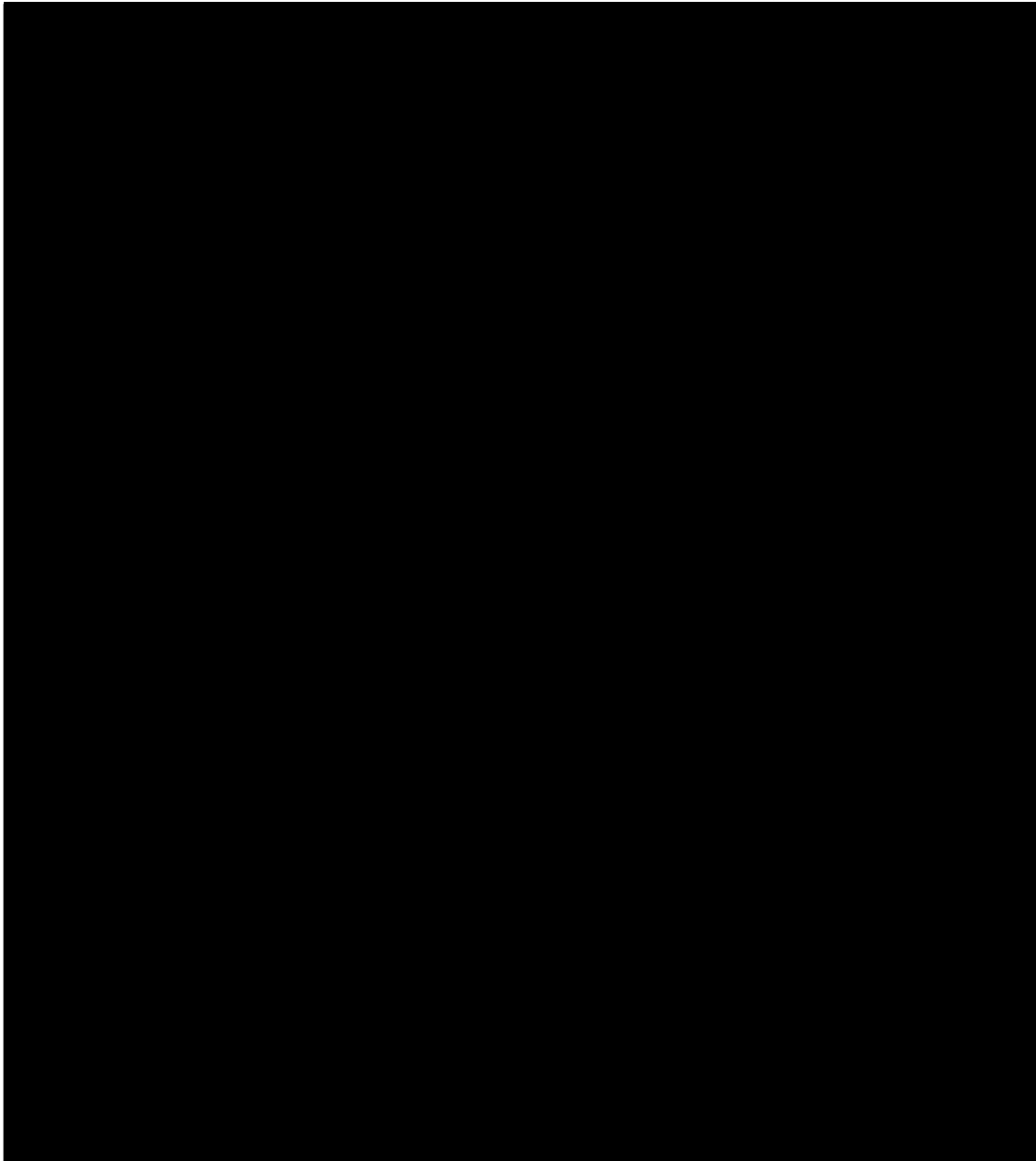


TEMPE POLICE DEPARTMENT

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TEMPE POLICE DEPARTMENT

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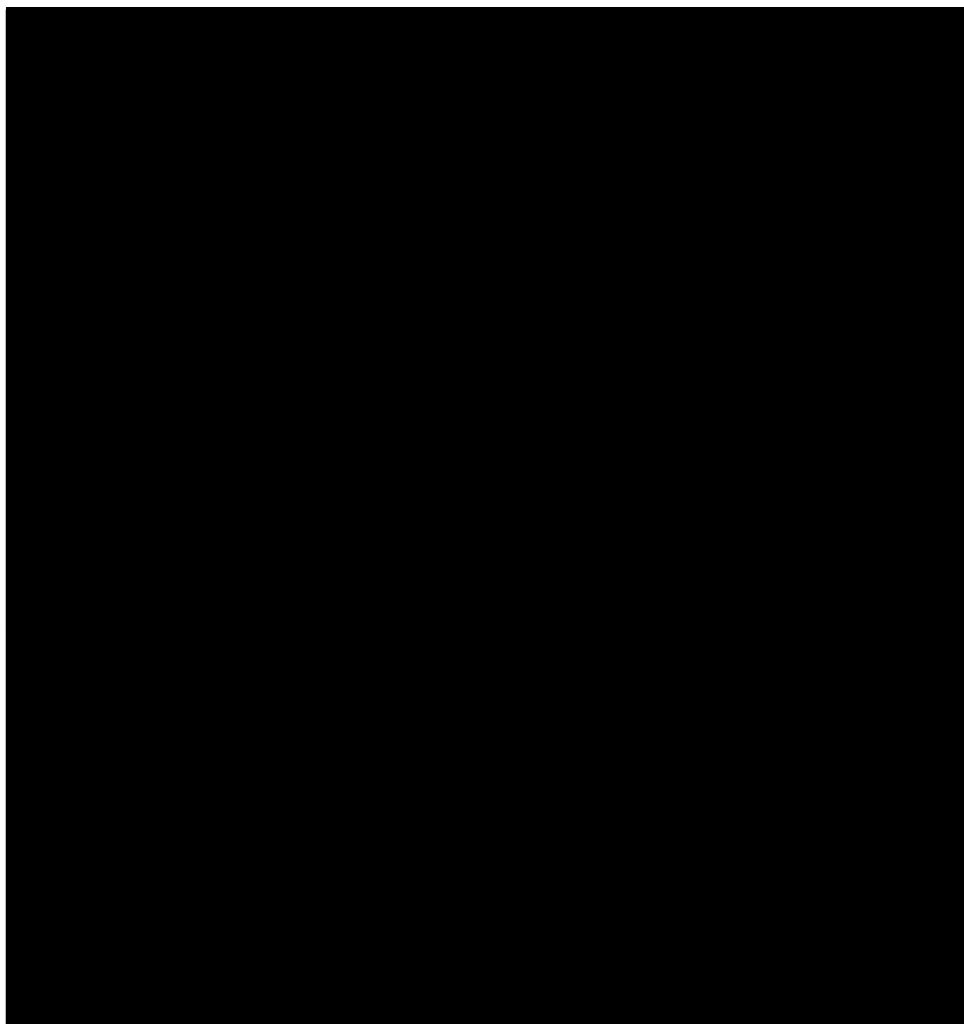
TEMPE POLICE DEPARTMENT

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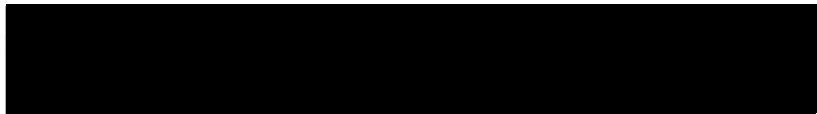
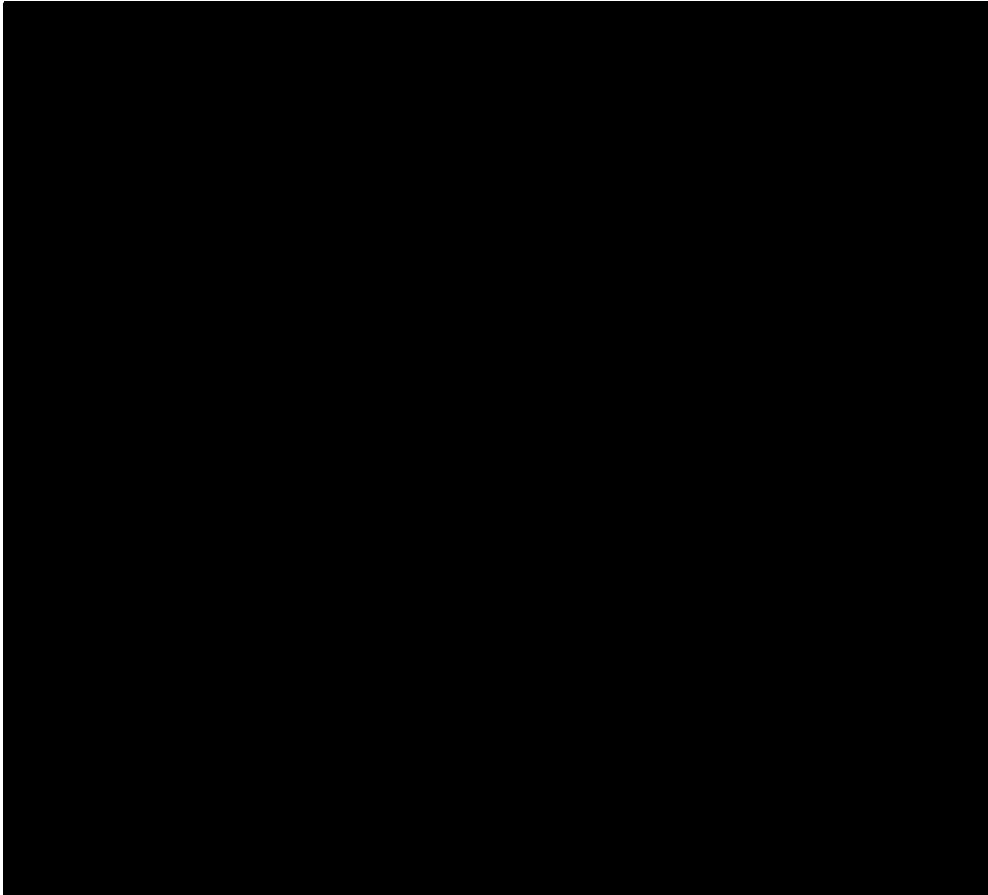
TEMPE POLICE DEPARTMENT

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TEMPE POLICE DEPARTMENT

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TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Court Order

Description: SEARCH WARRANT #2018-003228

Mar 27, 2018 10:09AM
V0 0035 P. 1/7
Lower Fax 001702

Tempe Police Department

120 East Fifth Street
Tempe, Arizona 85281

Traffic Bureau
Vehicular Crimes Unit



Search Warrant Request

To: Maricopa County Superior Court - Search Warrant Center From: Detective Marsland #20555

Fax: [REDACTED] Pages: Cover plus

Phone: [REDACTED] Date: March 27, 2018

Re: Request for search warrant

Urgent For Review Please Comment Please Reply Please Recycle

Return fax number: 480 [REDACTED]

Contact number: [REDACTED]



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

MAR 27, 2018 10:09AM
Tempe Police Department

AS 0308 11 111

Tempe Police Department
City of Tempe

AFFIDAVIT FOR SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

Warrant Number: 2018-003028

Tempe Police Incident Report: 18-32694

Your affiant, Detective K. Marsland, #20595, a peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on or about the 18th day of March, 2018, in the County of Maricopa, State of Arizona, the crime of Manslaughter was committed by:

Rafael Stuart Vasquez
AKA: Rafael Stuart Vasquez
Date of Birth: [REDACTED]

That the affiant has probable cause to believe that

on the person(s) of:

on the premises known as:

Uber
Self Driving Vehicle Center
[REDACTED]

in the vehicle(s) described as:

In the City of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things which:

- was stolen or embezzled.
- was used as means of committing a public offense.
- is being possessed with the intent to use as a means of committing a public offense.
- is in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered
- constitutes evidence tending to show that a public offense has been committed, or tending to show that the suspect named above has committed the offense.
- such person is the subject of an outstanding arrest warrant.

That said property or things are described as follows:

1. Digital document titled, "K145 Tempe Incident - Preliminary Uber Data Review," containing data of the collision which occurred on 03-18-18 at approximately 2158 hours in the area of Mill Ave and Curry Rd, and which involved the Volvo XC90 with AZ plate of [REDACTED]



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

MAR 27 2018 11:00AM No. 0036 P. 3/7

Tempe Police Department
City of Tempe

2. Digital video files captured by on-board cameras of the Volvo XC90 Self-Driving-System (SDS) which show the events immediately before, during, and immediately after the crash described above.
3. Any digital documentation to support the maximum allowed vehicle maneuvering commands supplied by the Self-Driving-System (SDS) to the vehicle involved in this event, including, but not limited to, maximum steering rate, maximum braking force, and curb weight of Volvo XC90 outfitted with SDS.
4. Any documentation regarding the testing and qualification of the driver Rafael Stuart Vasquez, with respect to documented perception/reaction times during training exercises/exams.

That the following facts establish probable cause for believing that the grounds for the issuance of a search warrant for the aforementioned items exist:

Your Affiant is a police officer in the State of Arizona and has been employed by the City of Tempe, Tempe Police Department, for 8.5 years. I am currently assigned to the Traffic Investigation Bureau, Vehicular Crimes Unit. I have the following training and experience:

I received certification as a police officer after attending at the:

- Phoenix Regional Police Academy
- Arizona Law Enforcement Academy
- Other: Mesa Police Academy

My duty assignments have included traffic enforcement, impaired driving investigation, and collision investigation.

I have specialized training in:

- Impaired Driving Investigation
- Horizontal Gaze Nystagmus
- Drug Recognition and Classification (Drug Recognition Expert)
- Collision Investigation
- Collision Reconstruction
- Methodology and Techniques of Crash Data Retrieval
- Commercial Motor Vehicle Inspection (Commercial Vehicle Safety Specialist)
- Weights and Measures (Limited Weighmaster)
- Other.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar 27, 2018 11:00AM
Tempe P&A 004701 01/27/2018 01:10:01 AM PAGE 3/001 FAX 001101 A: 0036 P: 47

Tempe Police Department
City of Tempe

REGULAR INFORMATION FORM

That on or about the 18th day of March, 2018, your Affiant learned the following information in the following manner:

On 3/18/2018 at approximately 2158 hours, Rafael Vasquez was driving a Volvo XC90, owned by Rafael's employer, the Uber company. Rafael was northbound in the curb lane of Mill Ave just south of Curry Rd in the City of Tempe, County of Maricopa, State of Arizona. This particular vehicle was outfitted with a self-driving system for research and development by the Uber company, and Rafael had the system engaged at the time of this incident.

While Rafael was northbound on Mill Ave and approaching Curry Rd, a pedestrian was walking her bicycle across the roadway from west to east. Rafael's vehicle struck the pedestrian, resulting in the pedestrian's death.

Video footage from the interior of the Volvo was viewed, showing that Rafael had been looking down at an unknown item near her right knee for approximately 5.3 seconds before looking up at the roadway. As evidenced by the video footage, Rafael looked up only 0.5 seconds prior to impact with the pedestrian.

A document was prepared by the Uber company detailing their preliminary data analysis of this crash. Since the Uber company identifies vehicles with a unique identifier number, they have titled this document to reflect that it contains the Preliminary Data Analysis for the K145 Event, "K146" being the identification number of the Volvo XC90 vehicle involved in this crash.

This document was viewed by your affiant, a detective with the Tempe Police Department, on 03-21-18 at approximately 1530 hours and was found to contain information outlining the driver's training, duties, and qualifications. Most notably, this document outlines the limitations of the Self-Driving-System (SDS) in its current state of deployment in its research and development process, as well as the duties that the Uber company places on the driver in relation to those limitations when an emergency situation becomes apparent.

This document also outlined information that drivers are tested for reaction times to an emergency situation as part of their qualification process for drivers operating a vehicle equipped with an SDS. Also shown with the document were digital video files from the cameras mounted in the rooftop SDS which captured the events surrounding the crash.

Based on this information, your affiant is requesting a search warrant for obtaining data and/or documents involved in this case for reconstruction and investigative purposes.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar 27 2018 11:11 AM
SQUAD FAX DEVICE 07/27/2018 08:11:01 AM PAGE 3/007 FAX DEVICE 53 0036 5 37

Tempe Police Department
City of Tempe

NIGHTTIME SEARCH WARRANT:

The time is now _____ hours and the warrant must be served after 10:00 PM and before 6:30 AM because

The evidence requested is of a perishable nature and a time delay would render it useless.

Based upon the preceding facts, I, Detective K. Marsland #20595, your Affiant, request a nighttime search warrant be issued.

DAYTIME SEARCH WARRANT:

Based upon the preceding facts, I, Detective K. Marsland #20595, your Affiant, request a daytime search warrant be issued.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the person(s), premises, and/or vehicle(s) described herein for the persons, property, and things herein described and that the same be retained in the custody of the Affiant or in the custody of the agency which Affiant represents and disposed of according to law, pursuant to A.R.S. 13-3911 and 13-3924.

[Signature] Serial No. #20595, Tempe Police Department
SIGNATURE OF AFFIANT #20595

Subscribed and sworn before to me on: MARCH 27TH 2018

[Signature] Richard Nothwehr
SIGNATURE BY JUDGE OR MAGISTRATE

of the Maricopa County Superior Court



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar 27, 2018 11:30 AM
No. 0036 A. 617
PAGE 07007 FAX 001781

Tempe Police Department
City of Tempe

SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

Warrant Number: 2018-003228

Tempe Police Incident Report: 18-32694

ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof by affidavit having been made this day to me by Tempe Police Officer Detective K. Marsland #20595, I am satisfied that there is probable cause to believe that:

- On the person(s) of:
- On the premises known as:
Uber
Self Driving Vehicle Center
[REDACTED]

In the vehicle(s) described as:

In the City of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things described as:

1. Digital document titled, "K145 Tempe Incident - Preliminary Uber Data Review," containing data of the collision which occurred on 03-18-18 at approximately 2155 hours in the area of Mill Ave and Curry Rd, and which involved the Volvo XC90 with AZ plate of [REDACTED]
1. Digital video files captured by on-board cameras of the Volvo XC90 Self-Driving-System (SDS) which show the events immediately before, during, and immediately after the crash described above.
2. Any digital documentation to support the maximum allowed vehicle maneuvering commands supplied by the Self-Driving-System (SDS) to the vehicle involved in this event, including, but not limited to, maximum steering rate, maximum braking force, and curb weight of Volvo XC90 outfitted with SDS.
3. Any documentation regarding the testing and qualification of the driver, Rafael Stuart Vasquez, with respect to documented percept on/reaction times during training exercises/exams.

Which property or things:

- was stolen or embezzled.
- was used as means of committing a public offense.
- is being possessed with the intent to use as a means of committing a public offense.
- is in possession of [REDACTED] to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that the listed suspect has committed the offense.
- such person is the subject of an outstanding arrest warrant.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar 27, 2018 11:01AM No. 0036 P. 7/7

Tempe Police Department
City of Tempe

Such public offense being Manslaughter, which occurred on or about the 18th day of March, 2018, in Tempe, Maricopa, Arizona.

YOU ARE THEREFORE COMMANDED:

- In the daytime (excluding the time period of between 10:00 PM and 6:30 AM),
- In the nighttime (good cause therefore having been shown),

to make a search of the above described person(s), premises, and/or vehicle(s), for the herein above described property or things, and if you find the same or any part thereof, to retain such in your custody or in the custody of the Tempe Police Department, as provided by A.R.S. 13-3820.

Execute this warrant within five calendar days from its issuance and return this warrant within three court business days after the warrant is executed, as directed by A.R.S. 13-3918.

Given under my hand and dated this 27th day of March 20 18.

Time: 10:11 a.m. AM PM

Richard Nothwehr
Richard Nothwehr
JUDGE OR MAGISTRATE
of Maricopa County Superior Court

WARRANT SERVICE

Warrant Served: Date: 3/29/18 Time: 4:30 AM PM

Reason for non-service: _____

- Receipt for property taken:
- "K145 Tempe Incident - Preliminary Uber Data Review," digital document.
 - Digital video files documenting incident
 - Documentation of maximum SDS inputs to vehicle
 - Perception/Reaction date from testing of suspect, Rafael Vasquez
 - See attached property form(s).

WQ ARE STILL IN THE PROCESS OF OBTAINING THE REST OF THE REQUESTED DOCUMENTS FROM UBER.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Tempe Police Department
City of Tempe

STANDARD ARIZONA INVENTORY AFFIDAVIT & RETURN OF SEARCH WARRANT

Warrant Number: SW2018-003228

Tempe Police Incident Report: 2018-032694

I, Detective J. Guzman, #20782, a peace officer of the State of Arizona, being duly sworn upon oath depose and say, that on the 29th day of March, 2018, Tempe Police Department Legal Advisor, Attorney B. Amato executed this search warrant, SW2018-003228, issued by Judge Richard Nothwehr, and the following described property or substance was seized:

- "K145 Tempe Incident - Preliminary Uber Data Review" digital document.
- Documentation of maximum SDS inputs to vehicle
- Digital video files documenting incident. (Still in the process of obtaining this from Uber)
- Perception/Reaction data from testing of suspect, Rafael Vasquez. (Still in the process of obtaining this from Uber)
- See attached property form(s).

I further certify that the foregoing inventory is a true and detailed account of all property taken by me, pursuant to A.R.S. 13-3921 and that a detailed receipt for the property taken was:

- Reviewed with the suspect and then left in the suspect's property locker at the jail or the location the property was seized.
- Given to the suspect.
- Other: Copy provided to Uber representatives.

This warrant was returned subscribed and sworn before me this 5TH day of April, 20 .


AFFIANT
J. Guzman #20782


JUDGE OR MAGISTRATE

Of the _____ Court

HONORABLE JANE MCLAUGHLIN
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Court Order

Description: SEARCH WARRANT #2018-002912

Mar. 19. 2018 2:48PM 3/19/2018 1:52:25 PM PAGE 4/000 ***No. 8837** P. 2/6



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

SEARCH WARRANT
COUNTY OF MARICOPA, STATE OF ARIZONA
2018-002912
WARRANT#
REPORT #18-32694

ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof by affidavit having been made this day to me by: **Detective Bill Kelly #17225**

I am satisfied that there is probable cause to believe that:

- on the person(s) of
- on the premises known as:
- in the vehicle(s) described as:

Rafael Vasquez, also known as Rafaala Vasquez, an individual who is 5'7", 180 pounds with black hair and brown eyes. Rafael's date of birth is [REDACTED] and social security number is [REDACTED]. Rafael's whereabouts are unknown at this time.

in the City of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things described as:

- Cell Phones in Rafael Vasquez's possession at time of the collision.
- Digital extraction of all content of the cell phones, including but not limited to call logs, text messages, GPS, internet searches and social media usage immediately leading up to and immediately following collision.

Which property or things:

- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed.
- such person is the subject of an outstanding arrest warrant.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 19. 2018 2:48PM No. 8837 P. 3/6


Such public offense of the Arizona Revised Statute Title 13 A.R.S. sections 13-1204A2

YOU ARE THEREFORE COMMANDED

- in the daytime (excluding the time period of between 10:00 P.M. and 6:30 A.M.)
- Or nighttime (good cause therefore having been shown) to make a search of the above named or described person(s), premises, vehicles for the herein above described property or things, and if you find the same or any part thereof, to retain such in your custody or in the custody or in the custody of the Tempe Police Department, as provided by A.R.S. 13-3920,
- On a reasonable showing that an announced entry to execute the warrant would endanger the safety of any person or would result in the destruction of any of the items described in the warrant, the magistrate shall authorize an unannounced entry, as provided by A.R.S. 13-3915.B.

Return this warrant to me within three (3) days of the thereof, as directed by A.R.S. 13-3918.

Given under my hand and dated this 19th day of March, 2018


 Judge/Commissioner
 Maricopa County Superior Court
 HONORABLE JANE MCLAUGHLIN
 MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar 19, 2018 2:49PM 07/18/2018 11:02:23 PM PAGE 37000 No. 8837 P. 4/6



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

AFFIDAVIT FOR SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT#
REPORT #18-32694

2018-002912

YOUR AFFIANT(S) Detective Bill Kelly #17225

A peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on March 19, 2018 in the City of Tempe, County of Maricopa, State of Arizona, the crime of Vehicular Manslaughter, ARS 13-1103.A.1 was committed.

THAT THE AFFIANT has probable cause to believe that

- on the person(s) of
- on the premises known as:
- in the vehicle(s) described as:

Rafael Vasquez, also known as Rafaela Vasquez, an individual who is 5'7", 180 pounds with black hair and brown eyes. Rafael's date of birth is [REDACTED] and social security number is [REDACTED]. Rafael's whereabouts are unknown at this time.

That said property or things are described as follows:

- Cell Phones in Rafael Vasquez's possession at time of the collision.
- Digital extraction of all content of the cell phones, including but not limited to call logs, text messages, GPS, internet searches and social media usage immediately leading up to and immediately following collision.

- were stolen or embezzled.
- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 19. 2018 2:49PM No. 8837 P. 5/6

such person is the subject of an outstanding arrest warrant.

That the following facts establish probable cause for believing that grounds for the issuance of a search warrant for the aforementioned items exists:

Your Affiant has been a Police Officer for the City of Tempe since November of 2002. I attended the Arizona Law Enforcement Academy where I was trained in the practices and procedures of a law enforcement officer.

Currently, I am assigned as a detective with the Traffic Bureau's Vehicular Crimes Unit. I have been assigned as a Hit and Run Detective since 06/01/2015. I also spent 2 years as a detective with Tempe Police Department's Criminal Investigations Bureau Robbery Squad. During this time I have learned much about the criminal investigative process. An example of some of the skills and abilities I have gained working complex investigations, filing cases with the city and county attorneys, and completing in-depth all inclusive reports.

Other assignments I have worked include Patrol Division for approximately 8 years and the Central City Bureau Bike Squad for approximately 2 years. I spent 4 of the years in patrol as a field training officer. During this time I learned what it takes to be a competent police officer. I have studied in depth the department's policies and procedures gaining a good understanding of the expectations and goals of the department. I have developed exceptional communications skills, good working relations with co-workers, excellent officer safety skills, and the ability to perform all forms of investigations.

I have also attended numerous trainings, seminars, and lectures to further my knowledge base in search and seizure issues.

REGULAR INFORMATION FORM

Based on information Your Affiant has learned from Det. Haubold of the Tempe Police Vehicular Crimes Unit, it is believed the crime of Vehicle Manslaughter (ARS 13-1103.A.1) may have been committed and that evidence of this offense is currently located on the cell phones in possession of Rafael Vasquez, also known as Rafaela Vasquez, the driver of a 2017 Gray Volvo XC90 bearing Arizona License Plate [REDACTED] at the time of the collision.

On 03/18/18 at approximately 2200 hours an Uber Volvo XC90 driving in autonomous mode was traveling north on Mill Ave. approaching Washington St., Tempe, AZ when it collided with a person crossing from the west side of Mill Ave. to the east side of Mill Ave. south of Washington St. The pedestrian was pronounced deceased at approximately 2230 hours. During an interview with Rafael, she indicated her hands were off the steering wheel and their feet were off the accelerator/decelerator pedals during the collision.

Your Affiant is seeking this search warrant to seize any cell phones in Rafael Vasquez's possession at the time of the collision, and digitally extract any data from the phone(s) showing use immediately leading up to and immediately following the collision to determine if Rafael was distracted and unable to take corrective actions to avoid the collision.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 19. 2018 2:49PM

No. 8837 P. 6/6


Your affiant therefore requests that this search warrant be granted.

- in the daytime (excluding the time period of between 10:00 P.M. and 6:30 A.M.)
- Affiant believes that the following information demonstrates good cause for permitting this warrant to be served between 10:00 P.M. and 6:30 A.M.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the persons, premises, buildings, and vehicles described herein for the persons, property and things herein described, and that the same be retained in the custody of the affiant or in the custody of the agency which the affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920.


Detective B. Kelly #17225
Tempe Police Department

SUBSCRIBED AND SWORN to before me this 19th day of March, 2018.


Judge/Commissioner
Maricopa County Superior Court
HONORABLE JANE MCLAUGHLIN
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Return

TEMPE Police Department Search Warrant # SW2018-002912

Standard Arizona Inventory Receipt Affidavit and Return of Search Warrant Report # 2018-32694

I Officer A. RAMOS Badge # 18382 a POLICE Officer of the State of Arizona, being first duly sworn upon, deposes and says:

That on 20th day of MARCH 2018, I executed this warrant issued by Judge JANE M. LAUGHLIN and the following described property was seized:

SEE ATTACHED PROPERTY RECEIPT

I further certify that the foregoing inventory is a true and detailed account of all property taken by me, pursuant to ARS 13-3921, and that a detailed receipt for the property taken was:

- Given to: RAFAELA VASQUEZ
- Left at: _____

Affiant: ALBERT RAMOS Badge # 18382
Rank: DETECTIVE Department: TEMPE POLICE

This warrant was returned, subscribed and sworn to me before this 20 day of March 2018
Pursuant to ARS 13-3918A.

Judge: [Signature]
Of the HONORABLE LORI ASH
MARICOPA COUNTY SUPERIOR COURT Court.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



Tempe Police Department Property Receipt



GO Number: 18-32694
Officer: NORMAN KHALIL
Date: 3/20/18

The Tempe Police Department Property/Evidence Facility is located at 1875 E. Apache Blvd, Tempe, AZ 85281 and the number is (480) 350-8338. The hours are Monday 12:00pm - 4:00pm, Tuesday - Friday 7:00am - 4:00pm, and closed weekends & holidays. You must bring this receipt and photo ID when retrieving property.

Description			
Circle appropriate type for each item and provide description (S - Safekeeping, E - Evidence, F - Found)			
S <input checked="" type="radio"/> F	LG CELL PHONES w/ blk case	S	E F
S <input checked="" type="radio"/> F	LG CELL PHONES w/ blk case	S	E F
S <input type="radio"/> E <input type="radio"/> F		S	E F
S <input type="radio"/> E <input type="radio"/> F		S	E F
S <input type="radio"/> E <input type="radio"/> F		S	E F
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* ALL CONTRABAND WILL BE DESTROYED *

SAFE-KEEPING: Items will be held for 30 days. You must pick up your property or make arrangements to have your property picked up within that time frame. A person named by you with a notarized letter giving that person permission may retrieve your property. Items not picked up after 30 days will be disposed of in accordance with state law and/or city code.

EVIDENCE: Items will only be released upon completion of the criminal case with authorization from the assigned case detective and/or prosecutor. You will be notified by mail when these items are authorized to be released. You will have 30 days after being notified to pick up these items or they will be disposed of in accordance with state law and/or city code.

FOUND: Citizens turning in items as found, which are not claimed within 30 days by the owner, may be claimed by the finder. You will be notified by mail when you are eligible to claim found items. After notification is made you have 30 days to pick up the items or they will be disposed of in accordance with state law and/or city code.

Owner/Finder: VANQUEZ RAFAEL Signature: [Signature]
DOB [Redacted]

White - Property

Yellow - Owner/Finder

TPD Form 793
Revised 09/2013



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Court Order

Description: SEARCH WARRANT #SW2018-002956

Mar. 20. 2018 12:12PM

No. 9004 P. 1/7

Tempe Police Department

120 East Fifth Street
Tempe, Arizona 85281

Traffic Bureau
Vehicular Crimes Unit



Search Warrant Request

To: Search Warrant Center From: Detective M. McCormick #22020

Fax: [REDACTED] Pages: Cover plus 6

Phone: [REDACTED] Date: March 20, 2018

Re: Request for search warrant

Urgent For Review Please Comment Please Reply Please Recycle

Return fax number: [REDACTED]
Contact number: [REDACTED]



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20. 2018 12:12PM
03/20/2018 09:00 400000400

TEMPE POLICE

No. 9004 P. 2/7
PAGE 02/01

Tempe Police Department
City of Tempe

AFFIDAVIT FOR SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

Warrant Number: SW2018-002950

Tempe Police Incident Report: 2018-32694

Your affiant, Detective M. McCormick, 22020, a peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on or about the 18th day of March, 2018, in the County of Maricopa, State of Arizona, the crime of A.R.S 13-1103A1/Vehicular Manslaughter, was committed by:

Rafael Stuart Vasquez

Date of Birth: [REDACTED]

That the affiant has probable cause to believe that

on the person(s) of:

on the premises known as:

Tempe Police Department
Property Facility
[REDACTED]

In the vehicle(s) described as:

Year	2017
Make	Volvo
Model	XC80
Style	4DSW
Color	Grey
License Plate State	Arizona
License Plate Number	[REDACTED]
Vehicle Identification Number	[REDACTED]
Registered Owner Name	UATC LLC
Registered Owner Address	[REDACTED]
Registered Owner City/State/Zip	[REDACTED]

In the City of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things which:

- was stolen or embezzled.
- was used as means of committing a public offense.
- is being possessed with the intent to use as a means of committing a public offense.
- is in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that Rafael Stuart Vasquez has committed the offense.
- such person is the subject of an outstanding arrest warrant.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20. 2018 12:12PM

No. 9004 P. 3/7

Tempe Police Department
City of Tempe

That said property or things are described as follows:

- | | |
|---------------------------------|------------|
| 1. Year | 2017 |
| Make | Volvo |
| Model | XC80 |
| Style | 2017 |
| Color | Grey |
| License Plate State | Arizona |
| License Plate Number | [REDACTED] |
| Vehicle Identification Number | [REDACTED] |
| Registered Owner Name | UATC LLC |
| Registered Owner Address | [REDACTED] |
| Registered Owner City/State/Zip | [REDACTED] |

2. Event and crash data recording devices and equipment
3. Event and crash data

That the following facts establish probable cause for believing that the grounds for the issuance of a search warrant for the aforementioned items exist:

Your Affiant is a police officer in the State of Arizona and has been employed by the City of Tempe, Tempe Police Department, for 5 years. I am currently assigned to the Traffic Investigation Bureau, Vehicular Crimes Unit. I have the following training and experience:

I received certification as a police officer after attending at the:

- Phoenix Regional Police Academy
- Arizona Law Enforcement Academy
- Other: LETA

My duty assignments have included traffic enforcement, impaired driving investigation, and collision investigation.

I have specialized training in:

- Impaired Driving Investigation
- Horizontal Gaze Nystagmus
- Drug Recognition and Classification (Drug Recognition Expert)
- Collision Investigation
- Collision Reconstruction
- Methodology and Techniques of Crash Data Retrieval
- Commercial Motor Vehicle Inspection (Commercial Vehicle Safety Specialist)
- Weights and Measures (Limited Weighmaster)
- Other:

In addition to my time with the Tempe Police Department, I was also a Patrol Deputy with the Yuma County Sheriff's Office for approximately one year nine months and a police officer with the Yuma Police Department for seven years. During my time with the Yuma Police Department, I served as a DU Enforcement Officer for approximately two years where one of my duties was to investigate serious injury and fatal collisions. I was also a Property Crimes detective for three years while working for the Yuma Police Department.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20. 2018 12:13PM

No. 9004 P. 4/7

Tempe Police Department
City of Tempe

REGULAR INFORMATION FORM

That on or about the 18th day of March, 2018, your Affiant learned the following information in the following manner:

Based on information your affiant has learned from Detective Haubold of the Tempe Police Department's Vehicular Crimes Unit, it is believed the crime of Vehicular Manslaughter (ARS 13-1103A1) may have been committed and evidence that could assist with this investigation is currently located within the onboard diagnostic computer(s) of the 2017 Volvo XC90 Arizona license plate [REDACTED]

On 03/18/18 at approximately 2200 hours an Uber Volvo XC90 with Arizona license plate [REDACTED] driving in autonomous mode was traveling north on Mill Avenue approaching Washington Street, Tempe, AZ when it collided with a person crossing from the west side of Mill Avenue to the east side of Mill Avenue south of Washington Street. The pedestrian was pronounced deceased at approximately 2230 hours from injuries caused during this collision. During an interview with Rafael, she indicated her hands were off the steering wheel and her feet were off of the accelerator/decelerator pedals during the collision.

The 2017 Volvo XC90 with Arizona license plate [REDACTED] was taken as evidence and impounded at the Tempe Police Department impound lot located at 1875 East Apache Blvd.

Based on the this information, your affiant is requesting a search warrant for obtaining data and/or equipment related to data storage from the onboard diagnostic computer(s) of the 2017 Volvo XC90 Arizona license plate [REDACTED] involved in this case for reconstruction purposes.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20, 2018 12:13PM

No. 9004 P. 5/7

Tempe Police Department
City of Tempe

NIGHTTIME SEARCH WARRANT:

The time is now _____ hours and the warrant must be served after 10:00 PM and before 6:30 AM because:

The evidence requested is of a perishable nature and a time delay would render it useless.

Based upon the preceding facts, I, Detective M. McCormick, your Affiant, request a nighttime search warrant be issued.

DAYTIME SEARCH WARRANT:

The evidence requested is of a perishable nature and a time delay would render it useless.

Based upon the preceding facts, I, Detective M. McCormick, your Affiant, request a daytime search warrant be issued.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the person(s), premises, and/or vehicle(s) described herein for the persons, property, and things herein described and that the same be retained in the custody of the Affiant or in the custody of the agency which Affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920.

Michael Mendenhall Serial No. 22020, Tempe Police Department
SIGNATURE OF AFFIANT

Subscribed and sworn before to me on, March 20, 2018.

James R. Rummage
SIGNATURE OF JUDGE OR MAGISTRATE
Honorable James Rummage
of the _____ Court



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20. 2018 12:13PM

No. 9004 P. 6/7

Tempe Police Department
City of Tempe

SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

Warrant Number: SW2018-002952

Tempe Police Incident Report: 2018-32694

ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof by affidavit having been made this day to me by Tempe Police Officer Detective M. McCormick, I am satisfied that there is probable cause to believe that:

On the person(s) of:

On the premises known as:

Tempe Police Department
Property Facility
1878 East Apache Boulevard
Tempe, Arizona 85281

In the vehicle(s) described as:

Year	2017
Make	Volvo
Model	XC90
Style	2017
Color	Gray
License Plate State	Arizona
License Plate Number	[REDACTED]
Vehicle Identification Number	[REDACTED]
Registered Owner Name	UATC LLC
Registered Owner Address	[REDACTED]
Registered Owner City/State/Zip	[REDACTED]

In the City of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things described as:

1. Year	2017
Make	Volvo
Model	XC90
Style	2017
Color	Gray
License Plate State	Arizona
License Plate Number	[REDACTED]
Vehicle Identification Number	[REDACTED]
Registered Owner Name	UATC LLC
Registered Owner Address	[REDACTED]
Registered Owner City/State/Zip	[REDACTED]

2. Event and crash data recording devices and equipment

3. Event and crash data



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20. 2018 12:13PM

No. 9004 P. 7/7

Tempe Police Department
City of Tempe

Which property or things:

- was stolen or embezzled.
- was used as means of committing a public offense.
- is being possessed with the intent to use as a means of committing a public offense.
- is in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that Rafael Stuart Vasquez has committed the offense.
- such person is the subject of an outstanding arrest warrant.

Such public offense being A.R.S. 13-1103A1/Vehicular Manslaughter, which occurred on or about the 18th day of March, 2018 in the County of Maricopa, State of Arizona.

YOU ARE THEREFORE COMMANDED:

- In the daytime (excluding the time period of between 10:00 PM and 6:30 AM).
- In the nighttime (good cause therefore having been shown).

to make a search of the above described person(s), premises, and/or vehicle(s), for the herein above described property or things, and if you find the same or any part thereof, to retain such in your custody or in the custody of the Tempe Police Department, as provided by A.R.S. 13-3920.

Execute this warrant within five calendar days from its issuance and return this warrant within three court business days after the warrant is executed, as directed by A.R.S. 13-3918.

Upon completion of all court actions or proceedings of any type which would necessitate the further use of the listed property, pursuant to ARS §13-3920 and/or ARS §13-3941, the property may be disposed of as authorized by law.

Given under my hand and dated this 20 day of MARCH, 2018.

Time: _____ AM PM

JUDGE OR MAGISTRATE
Of _____ Honorable James Rummage
Court

WARRANT SERVICE

Warrant Served: Date: _____ Time: _____ AM PM

Reason for non-service: _____

- Receipt for property taken:
- Event and crash data recording devices and equipment from the listed vehicle.
 - Event and crash data download from listed vehicle.
 - See attached property form(s).



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Tempe Police Department
City of Tempe

STANDARD ARIZONA INVENTORY AFFIDAVIT & RETURN OF SEARCH WARRANT

Warrant Number: SW2018-002956

Tempe Police Incident Report: 2018-32694

I, Detective M. McCormick, 22020, a peace officer of the State of Arizona, being duly sworn upon oath depose and say, that on the 20th day of March, 2018, I executed this search warrant, SW2018-002956, issued by Judge James Rummage, and the following described property or substance was seized:

- Event and crash data recording devices and equipment from the listed vehicle.
- Event and crash data download from listed vehicle.
- See attached property form(s).

I further certify that the foregoing inventory is a true and detailed account of all property taken by me, pursuant to A.R.S. 13-3921 and that a detailed receipt for the property taken was:

- Reviewed with the suspect and then left in the suspect's property locker at the jail or the location the property was seized.
- Given to the suspect.
- Other: Left in Vehicle

This warrant was returned subscribed and sworn before me this 23 day of March, 2018

Michael M
AFFIANT

Melissa Zabor
JUDGE OR MAGISTRATE

Of the _____ Court

HONORABLE MELISSA ZABOR
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Court Order

Description: SEARCH WARRANT #2018-002982

1 POLICE DEPARTMENT
 2 CITY OF TEMPE, ARIZONA
 3 **TRACKING AND CELL SITE**
 4 **SIMULATOR SEARCH WARRANT**
 5 COUNTY OF MARICOPA, STATE OF ARIZONA
 6

7 WARRANT No. 2018002982

8
9 **TO ANY PEACE OFFICER IN THE STATE OF ARIZONA:**

10 Proof by affidavit, having been made to me this day pursuant to A.R.S. §13-3017, and Title
 11 18 U.S.C. §2703 (Pen register or a Dialed Number Recorder), A.R.S. §13-4293 (Tracking Device
 12 Search Warrant) and A.R.S. §13-4294 (Cell Site Simulator Device Search Warrant) by Detective
 13 Bill Kelly #17225, who is employed by the Tempe Police Department, State of Arizona;

14 The Court is satisfied that there is probable cause to believe that:

15 **Rafael Vasquez** has committed and/or is committing the following violations of Arizona
 16 Revised Statutes:

- 17 • §13-1103.A.1, Vehicular Manslaughter

18 Further, this Court is satisfied that there is probable cause to authorize Detective Kelly, or
 19 any other police officer to utilize, anywhere within the State of Arizona, the use of a Dialed Number
 20 Recorder Device, Trap and Trace Device, Caller Identification, precision location of the Target
 21 Communications Device (GPS location), cell site and sector information and a Signal Information
 22 Collection System (Cell Site Simulator Device) to determine the location of the Target
 23 Communication Device in the possession of **Rafael Vasquez** (Target Communications Device(s)).

24 Further, this Court is satisfied that there is probable cause to authorize Detective Bill Kelly
 25 #17225, United States Marshals Service, or any other peace officer to use, anywhere within the
 26 State of Arizona, to utilize a Signal Information Collection System (Cell Site Simulator Device)
 27 which identifies the Electronic Serial Numbers (ESN), Mobile Identification Number's (MIN),
 28 Mobile Equipment Identifiers (MEID), Mobile Directory Numbers (MDN), International Mobile
 Subscriber Identifications (IMSI), International Mobile Equipment Identities (IMEI), and/or



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 Mobile Station Identities (MSID) in order to identify any additional communication devices
2 (Communications Device(s)) in the possession of **Rafael Vasquez**.

3 **TARGET COMMUNICATIONS DEVICE(S):**

4 **Telephone:** [REDACTED]
5 **Service Provider:** T-Mobile
6 **Subscriber:** Rafael Vasquez
7 **Address:** [REDACTED]
8 **Utilized by:** **Rafael Vasquez**
9 Herein referred to as **FNU LNU, aka NAME1**

10 This order is for a period not to exceed thirty (30) days after the date that the search warrant was
11 signed.

12 Further, this Court is satisfied that there is probable cause to believe that
13 [x] on the person of **Deshawn Davis** Herein referred to as **FNU LNU, aka NAME1**
14 In Maricopa County, State of Arizona, there is now being possessed or concealed certain property
15 described as:

16 Target Communications Device(s)
17 Communications Device(s)

18 Which property;
19 has been used, is being used or is about to be used as a means for committing a public offense.
20 constitutes any evidence that tends to show that a particular public offense has been, is being or
21 is about to be committed or tends to show that **NAME1** has committed or is committing a public
22 offense.
23 is in the possession of a person who has committed, is committing, or is about to commit a
24 public offense.

25 The Tempe Police Department, the United States Marshals Service, or designee is
26 authorized to employ the use of the precision location of a mobile device (GPS location) and cell
27 site and sector information on the Target Communications Device(s) identified herein, and use that
28 information to determine the Target Communications Device's location, even if it is located inside
a house, apartment or other building.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 It is ordered that T-Mobile, beginning within 10 calendar days from the date of this
2 Warrant's issuance and for a period not to exceed 30 days from the issuance of this warrant, shall
3 provide to Tempe Police Department, the USMS, or designee the information requested below for
4 the Target Communications Device, to extend to any time of the day or night as required, including
5 when the Target Communications Device leaves the State of Arizona.

6 It is ordered that T-Mobile, a communication common carrier under Title 18 U.S.C. §2510
7 (10) and a communication service provider under A.R.S. §13-3001, will disclose the current
8 telephone number(s), subscriber(s) information, location(s) and Electronic Serial Number (ESN)
9 numbers, of the above listed-communication device(s).

10 The Service Provider (collectively with any other communication service provider which
11 may provide service other Target Communications Device during the authorized period) shall
12 provide all information, facilities, and technical assistance needed to ascertain the physical location
13 of the Target Communications Device, including but not limited to cell site and sector data, signal
14 tracking technology, and data indicating the specific latitude and longitude of the Target
15 Communications Device (or other precise location such as E-911 Phase II data) (hereinafter
16 referred to as the "Requested Information").

17 The Service Provider shall assist Tempe Police Department, the USMS, or designee by
18 providing all information, facilities, and technical assistance needed to ascertain the Requested
19 Information, and initiate a signal to determine the location of the Target Communications Device
20 on the Service Provider's network or with such other reference points as may be reasonably
21 available, as and if requested by Tempe Police Department, the USMS, or designee and at such
22 intervals and times as may be directed by Tempe Police Department, the USMS, or designee
23 serving this Warrant, and furnish the technical assistance necessary to accomplish the acquisition
24 of the Requested Information unobtrusively and with a minimum of interference with such services
25 as the Service Provider accords the user(s) of the Target Communications Device.

26 The Service Provider will provide the precision location of a mobile device (GPS location)
27 such that the service provider shall initiate a signal to determine the location of the subject's mobile
28 device on the service provider's network or with such other reference points as may be reasonably
available and at such intervals and times as directed by the Tempe Police Department, the USMS,
or their designee.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 The Service Provider will provide the cell site and sector information for each telephone
2 transaction/call captured by way of any accompanying Pen Register, Dialed Number Recorder and
3 Trap and Trace device installed on the herein identified targeted telephone(s) with a minimum of
4 intrusion and inconvenience. The Service Provider will furnish the location of cell site and
5 sector/face data (physical address) at call origination (for outbound calls) and call termination (for
6 incoming calls) for the target telephone for calls made and received during duration of this order.

7 The service Provider will continue and implement the operation of the Pen Register, Dialed
8 Numbered Recorder, Trap and Trace Device and Caller Identification for a period not to exceed
9 thirty (30) days from the date of this Order. In any event, this order shall terminate thirty (30) days
10 from the date this Order is signed, unless otherwise ordered by this Court;

11 The Service Provider and/or any communication service provider will perform a "Dial Digit
12 Search" or a "Calls to Destination Search" on the target telephone number(s) or any telephone
13 number, upon request, and provide the responding telephone number(s) and subscriber(s)
14 information resulting from the "Dial Digit Search" or a "Calls to Destination Search" operation;

15 The Service Provider will furnish the applicant forthwith all information, services, facilities
16 and technical assistance necessary to accomplish the installation and utilization of the requested
17 Pen Register, Dialed Numbered Recorder, Trap and Trace Device and Caller Identification
18 unobtrusively and with a minimum of interference with the services that the carrier is providing
19 according its subscribers. Call tracing is initially requested for the fifty (50) United States;

20 Directing that the Service Provider shall furnish officers of the Tempe Police Department
21 or agents with the USMS, with the subscriber's name, the subscribers' date of birth, the subscribers'
22 social security number, address, current and/or historical call records, Calls Detail Reports (CDR's),
23 toll records, long distance and "roaming" information for [REDACTED] between the date this order
24 is signed and 30 days prior to its issuance and for the authorized period of this warrant.

25 The Service Provider, a communication common carrier under Title 18 U.S.C. §2510 (10)
26 and a communication service provider under A.R.S. §13-3001, and/or any communication provider
27 be directed to furnish the applicant with subscriber information for those telephone numbers, names,
28 or addresses identified by the Pen Register, Dialed Number Recorder, and Caller Identification
equipment installed as part of the monitoring facility, twenty-four hours a day, seven days a week,



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 pursuant to the Court's order, and that this application has been made in good faith in furtherance
2 of an ongoing criminal investigation involving criminal activity based on probable cause.

3 The Service Provider will disclose the telephone number(s), location(s), and Electronic
4 Serial Number (ESN) numbers, Mobile Identification Number's (MIN), Mobile Equipment
5 Identifiers (MEID), Mobile Directory Numbers (MDN), International Mobile Subscriber
6 Identifications (IMSI), International Mobile Equipment Identities (IMEI), and/or Mobile Station
7 Identities (MSID) of the above listed-communication service(s) if changed by the current subscriber
8 to a new number, location, or (ESN), (MIN), (MEID), (MDN), (IMSI), (IMEI), and/or (MSID)
9 number, per subscriber name during the period authorized by this Tracking Device Search Warrant,
10 and shall transfer the use of the precision location of a mobile device (GPS location) capability
11 along with service to any new number, location, or ESN number (ESN), (MIN), (MEID), (MDN),
12 (IMSI), (IMEI), and/or (MSID) number and shall advise the Tempe Police Department, or the
13 USMS, of the telephone number(s) to which service has been transferred;

14 Directing that the use of the precision location of a mobile device (GPS location) and cell
15 site and sector information shall be authorized for a period of thirty (30) days from the date this
16 Tracking Device (GPS location) Search Warrant was signed.

17 The Tempe Police Department or the USMS shall compensate the Service Provider for
18 services in this matter at the prevailing rate of payment;

19 T-Mobile, their employees and agents not reveal to **NAME1** or to any person, the existence
20 of this investigation or the use of the precision location of a mobile device (GPS location)
21 information request;

22 Pursuant to A.R.S. §13-4293(C), use of the precision location of a mobile device (GPS
23 location) and cell site and sector information on the Target Communications Device(s) may be
24 used any time of the day or night.

25 Investigators with the Tempe Police Department, the USMS, or designee are authorized to
26 use the Signal Information Collection System (Cell Site Simulator Device) only when investigators
27 have reason to believe that **NAME1** is present. The Tempe Police Department, the USMS, or
28 designee is authorized to use the Signal Information Collection System (Cell Site Simulator
Device) even if **NAME1** is believed to be located inside a house, apartment or other
building. Absent further order of a court, law enforcement will make no affirmative investigative



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 use of any identifiers collected from cellular devices other than the Target Communications
2 Device(s), except to identify the Target Communications Device(s) and distinguish it from the
3 other cellular devices.

4 Furthermore, the Tempe Police Department, the USMS, or designee is authorized to use
5 the Signal Information Collection System (Cell Site Simulator Device) to monitor the signals
6 broadcast by the Target Communications Device(s) and use that information to determine the
7 Target Communications Device's location, even if it is located inside a house, apartment or other
8 building. To the extent that any information from a cellular device other than the Target
9 Communications Device(s) is collected by the Signal Information Collection System (Cell Site
10 Simulator Device), law enforcement will delete that information pursuant to A.R.S. §13-4294(H).

11 Pursuant to A.R.S. §13-4294(I), all non-target data must be destroyed within 30 court
12 business days after the return of the search warrant to a magistrate unless a court orders the non-
13 target data to be preserved.

14 Pursuant to A.R.S. §13-4294(G), the cell site simulator device may not be used to intercept,
15 obtain or access the content of any stored oral, wire or electronic communication unless the
16 interception or access is authorized by Chapter 30 of Title 13. This search warrant also prohibits
17 the seizure of any tangible property. It does allow the capturing of Electronic Serial Numbers
18 (ESN), Mobile Identification Number's (MIN), Mobile Equipment Identifiers (MEID), Mobile
19 Directory Numbers (MDN), International Mobile Subscriber Identifications (IMSI), International
20 Mobile Equipment Identities (IMEI), and/or Mobile Station Identities (MSID) number(s). In
21 addition it also allows the use of the Signal Information Collection System (Cell Site Simulator
22 Device) to determine the location of Target Communications Device(s) by locating the signals
23 emitting from the Target Communications Device(s).

24 Pursuant to A.R.S. §13-4293(C) and A.R.S. §13-4294(C), use of the cell site simulator
25 device may be any time of the day or night.

26 Pursuant to A.R.S. §13-4293(E) and A.R.S. §13-4294(D), law enforcement is ordered to
27 return the search warrant to a magistrate no later than three court business days after the conclusion
28 of the electronic surveillance authorized herein.

Pursuant to A.R.S. § 13-4293(F) and A.R.S. §13-4294(E), a copy of the search warrant
shall be served within 90 days upon the conclusion of the electronic surveillance authorized herein,



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

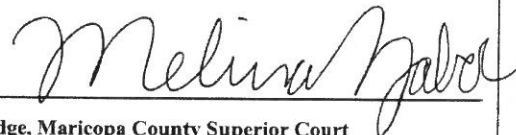
1 unless additional time is applied for and granted by the court based upon the showing of good
2 cause.

3 Pursuant to A.R.S. §13-4293(G), A.R.S. §13-4294(F) and §13-3919(B), reasonable cause
4 having been shown that a delay of service of the notice of search warrant is necessary to protect
5 the safety of any person and/or to prevent flight from prosecution, tampering with evidence,
6 intimidation of witnesses and/or jeopardizing the investigation, and because this warrant prohibits
7 the seizure of any tangible property, any wire or electronic communication or any stored wire or
8 electronic information, law enforcement is hereby ordered to delay service of the copy of the search
9 warrant. The copy of the search warrant shall be sent no later than 270 days after issuance and
10 upon the conclusion of the electronic surveillance authorized herein, unless additional time is
11 granted by the court based on an application and judicial finding. Service of the copy of the search
12 warrant shall be made pursuant to A.R.S. §13-4293(F) and A.R.S. §13-4294(E).

13 The Court finds that due to the nature, complexity and/or projected duration of the
14 investigation that the period of delayed notification is appropriate. It is further ordered that law
15 enforcement shall file a supplemental return of the search warrant to a magistrate confirming that
16 a copy of the search warrant was provided in accordance with methods detailed in A.R.S. §13-
17 4293(F) and A.R.S. §13-4294(E). The supplemental return shall be provided within three court
18 business days after service of the copy of the search warrant.

19 This Order is sealed until otherwise ordered by this Court, or other court of competent
20 jurisdiction.

21 Given under my hand and dated this 20th day of March, 2018.

22
23 

24
25 **Judge, Maricopa County Superior Court**

26 HONORABLE MELISSA ZABOR
27 MARICOPA COUNTY SUPERIOR COURT
28



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

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AFFIDAVIT FOR SEARCH WARRANT
COUNTY OF MARICOPA, STATE OF ARIZONA

No. 2018002982

YOUR AFFIANT, Detective Bill Kelly #17225 a peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says:

I, your Affiant, Detective Matt McFarland #18205, am a certified peace officer in the State of Arizona, employed by the Tempe Police Department, Maricopa County, Arizona.

This affidavit is submitted for authorization of the installation and use of a Pen Register, Dialed Number Recorder Device, Trap and Trace Device and Caller Identification over [REDACTED] utilized by **Rafael Vasquez (NAME1)** and other co-conspirators both known and yet unknown, within Maricopa County, Arizona. This request is for a period of thirty (30) days.

This affidavit is submitted pursuant to A.R.S. §13-3017, and Title 18 U.S.C. §2703 for an order from the Court authorizing the installation and use of a device, designed to record and identify dialed telephone numbers from a specific enumerated telephone(s). This device is commonly known as a Pen Register or a Dialed Number Recorder.

This affidavit is submitted pursuant to A.R.S. §13-3017, and Title 18 U.S.C. §2703 for an order from the Court authorizing the installation and use of a device designed to trace and identify telephone numbers of parties placing telephone calls to the specific enumerated telephone(s). This device is commonly known as a Trap and Trace Device. Further, your Affiant requests the installation of Caller Identification. The authorized Pen Register, Dialed Number Recorder, Trap and Trace Device, and Caller Identification will be used to record telephone numbers dialed from, and record and identify incoming telephone numbers calling to the targeted telephone(s).

This affidavit is submitted for authorization to employ the use of the precision location of a mobile device (GPS location) and cell site and sector information on the Target Communications Device(s) identified herein, to determine the location of the cellular device or devices carried by **NAME1**.

This affidavit is also submitted for authorization to use a Signal Information Collection System (Cell Site Simulator Device) in order to determine the location of the Target Communications Device(s) and further to identify any additional communications device(s) carried by **NAME1**. The Signal Information Collection System (Cell Site Simulator Device)



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 simulates a cellular tower and sends signals to cellular devices that are nearby. Target and non-
2 target cellular devices that are nearby then respond to the Signal Information Collection System
3 (Cell Site Simulator Device) with unique non-content electronic signals containing Electronic
4 Serial Number's (ESN), Mobile Identification Number's (MIN), Mobile Equipment Identifier
5 (MEID), Mobile Directory Number (MDN), International Mobile Subscriber Identification (IMSI),
6 International Mobile Equipment Identity (IMEI), and/or Mobile Station Identity (MSID) allowing
7 the Signal Information Collection System (Cell Site Simulator Device) to capture the previously
8 listed identification numbers.

9 In order to identify additional communications device(s) carried by **NAME1**, Signal
10 Information Collection System (Cell Site Simulator Device) may need to be utilized at multiple
11 locations and/or multiple times at a common location but will only be utilized when investigators
12 have reason to believe that **NAME1** is present.

13 While utilizing the Signal Information Collection System (Cell Site Simulator Device), the
14 Target Communications Device(s) and non-target cellular devices might experience temporary
15 disruption of service from the service provider, however the ability to make "911" calls is not
16 affected. The Signal Information Collection System (Cell Site Simulator Device) will be utilized
17 in a manner to ensure the minimal amount of interference to non-target cellular devices.

18 Absent further order of a court, law enforcement will make no affirmative investigative use
19 of any identifiers collected from cellular devices other than the Target Communications Device(s),
20 except to identify the Target Communications Device(s) and distinguish it from the other cellular
21 devices.

TARGET COMMUNICATIONS DEVICE(S):

22
23 **Telephone:** [REDACTED]
24 **Service Provider:** T-Mobile
25 **Subscriber:** Rafael Vasquez
26 **Address:** [REDACTED]
27 **Utilized by:** **Rafael Vasquez**
28 Herein referred to as **FNU LNU, aka NAME1**

By employing the requested Signal Information Collection System (Cell Site Simulator Device), I believe that it will assist in identifying the communications device(s) in the possession



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 of NAME1 and it will assist in identifying the location of the Target Communications Device(s).
2 This affidavit is submitted for authorization to use the Signal Information Collection System (Cell
3 Site Simulator Device) and Pen Register and Trap and Trace Device for a period not to exceed
4 thirty (30) days.

5
6 **THE AFFIANT** has probable cause to believe that:

7 **Deshawn Davis** has committed and/or is committing the following violations of Arizona
8 Revised Statutes:

- 9
 - §13-1103.A.1, Vehicular Manslaughter

10
11 Further, there is probable cause to believe that:

12 on the person of **Rafael Vasquez** Herein referred to as **FNU LNU, aka NAME1**

13 In Maricopa County, State of Arizona, there is now being possessed or concealed certain property
14 described as:

15 A Communications Device(s)

16 Target Communications Device (s)

17 Which property

18 has been used, is being used or is about to be used as a means for committing a public offense.

19 constitutes any evidence that tends to show that a particular public offense has been, is being or
20 is about to be committed or tends to show that **Rafael Vasquez** has committed or is committing a
21 public offense.

22 is in the possession of a person who has committed, is committing, or is about to commit a
23 public offense.

24 In addition, in order to obtain additional evidence relating to the Target Communications
25 Device(s), its user, and the criminal violations under investigation, law enforcement must first
26 identify the Target Communications Device(s). There is probable cause to believe that the use of
27 the investigative technique described by the warrant will result in officers learning that identifying
28 information.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

1 There is also probable cause to believe that the location of the Target Communications
 2 Device(s) will constitute evidence of those criminal violations including leading to the
 3 identification and/or location of NAME1 who is engaged in the commission of these offenses.

REGULAR INFORMATION:

4
 5
 6 **That the following facts establish probable cause for believing that grounds for the issuance**
 7 **of a search warrant for the aforementioned person:**

PROBABLE CAUSE STATEMENT

8
 9
 10 On 03/18/18 at approximately 2200 hours a 2017 Volvo XC90 bearing AZ license plate [REDACTED]
 11 was travelling north on Mill Ave. approaching Washington St., Tempe, AZ when it collided with a
 12 pedestrian crossing from the west side of Mill Ave. to the east side of Mill Ave. south of
 13 Washington St. The pedestrian was pronounced deceased at approximately 2230 hours. The sole
 14 occupant of the vehicle, Rafael Vasquez, stated the Volvo was a self-driving vehicle and was in
 15 full autonomous mode. Raphael stated her hands were off the steering wheel and her feet were off
 16 the accelerator/decelerator pedals at the time of the collision.

17 *RAFAEL HAS CONTACT OFFERS AT LEAST ONCE AT THIS TELEPHONE*
 18 *NUMBER. CONFIRMING IT IS HERS. (M2) [initials]*

19 Your Affiant is seeking this search warrant to assist in locating Rafael Vasquez to serve search
 20 warrant 2018-002912 which was granted by the Maricopa Superior Court Search Warrant Center's
 21 Honorable Jane McLaughlin to seize Rafael's cell phone. Rafael provided investigators at the
 22 scene of the collision with a false address, and further attempts to locate Rafael have been
 23 unsuccessful.

DELAYED NOTICE OF SERVICE/NIGHTTIME SERVICE

24
 25
 26 Provided this Court authorizes the use the precision location of a mobile device (GPS location), cell
 27 site and sector information and authorizes the use of the Signal Information Collection System (Cell
 28 Site Simulator Device) identified herein, your Affiant respectfully requests to delay the notice of
 service pursuant to A.R.S. §13-4293(G), A.R.S. §13-4294(F) and §13-3919(B) until 270 days after
 the order terminates. Based on the following justifications:



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694


Operational Status: ADMINISTRATIVE

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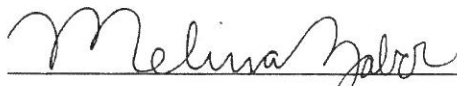
- It has been the experience of your Affiant that should targets of these types of investigations become aware that an ongoing investigation exists, it is likely these targets will discontinue the use of the Target Communications Device(s).
- It has also been the experience of your Affiant that should targets of these types of investigations become aware that an ongoing investigation exists, it becomes likely that they will flee for the purpose of avoiding prosecution.
- It has been the experience of your Affiant that should targets of these types of investigations become aware that an ongoing investigation exists; it is likely that they will inform other co-conspirators of the investigation, therefore impeding our ability to effectively investigate the organization.

Law enforcement will file a supplemental return of the search warrant to a magistrate confirming that a copy of the search warrant was provided in accordance with methods detailed in A.R.S. §13-4293(F) and A.R.S. §13-4294(E). The supplemental return will be provided within three court business days after service of the copy of the search warrant.

In addition, your Affiant respectfully requests that this Affidavit be sealed.


 Detective Bill Kelly #17225
 Tempe Police Department

SUBSCRIBED AND SWORN BEFORE ME ON THIS 20th DAY OF MARCH, 2018.


 Judge, Maricopa County Superior Court

HONORABLE MELISSA ZABOR
 MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Court Order

Description: SEARCH WARRANT #2018-002991

Wed, Jul 20, 2018 6:11 PM

TEMPE PD COMMUNICATIONS

No. 9109 P. 2/13

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POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

TRACKING AND CELL SITE SIMULATOR SEARCH WARRANT

COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT No. 2018-002991

9 **TO ANY PEACE OFFICER IN THE STATE OF ARIZONA:**
10 Proof by affidavit, having been made to me this day pursuant to A.R.S. §13-3017, and Title
11 18 U.S.C. §2703 (Pen register or a Dialed Number Recorder), A.R.S. §13-4293 (Tracking Device
12 Search Warrant) and A.R.S. §13-4294 (Cell Site Simulator Device Search Warrant) by Detective
13 Bill Kelly #17225, who is employed by the Tempe Police Department, State of Arizona;
14 The Court is satisfied that there is probable cause to believe that:
15 **Rafael Vasquez** has committed and/or is committing the following violations of Arizona
16 Revised Statutes:
17 • §13-1103.A.1, Vehicular Manslaughter

18
19 Further, this Court is satisfied that there is probable cause to authorize Detective Kelly, or
20 any other police officer to utilize, anywhere within the State of Arizona, the use of a Dialed Number
21 Recorder Device, Trap and Trace Device, Caller Identification, precision location of the Target
22 Communications Device (GPS location), cell site and sector information and a Signal Information
23 Collection System (Cell Site Simulator Device) to determine the location of the Target
24 Communication Device in the possession of **Rafael Vasquez** (Target Communications Device(s)).
25 Further, this Court is satisfied that there is probable cause to authorize Detective Bill Kelly
26 #17225, United States Marshals Service, or any other peace officer to use, anywhere within the
27 State of Arizona, to utilize a Signal Information Collection System (Cell Site Simulator Device)
28 which identifies the Electronic Serial Numbers (ESN), Mobile Identification Number's (MIN),
Mobile Equipment Identifiers (MEID), Mobile Directory Numbers (MDN), International Mobile
Subscriber Identifications (IMSI), International Mobile Equipment Identities (IMEI), and/or



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20, 2018 6:11PM

TEMPE TO COMMUNICATIONS

No. 9109 P. 3/13/18

1 Mobile Station Identities (MSID) in order to identify any additional communication devices
2 (Communications Device(s)) in the possession of **Rafael Vasquez**.

3 **TARGET COMMUNICATIONS DEVICE(S):**

4 Telephone: [REDACTED]
5 Service Provider: T-Mobile
6 Subscriber: Rafael Vasquez
7 Address: [REDACTED]
8 Utilized by: Rafael Vasquez

Herein referred to as **FNU LNU, aka NAME1**

9 This order is for a period not to exceed thirty (30) days after the date that the search warrant was
10 signed.

11 Further, this Court is satisfied that there is probable cause to believe that
12 [x] on the person of **Rafael Vasquez** Herein referred to as **FNU LNU, aka NAME1**
13 In Maricopa County, State of Arizona, there is now being possessed or concealed certain property
14 described as:

15 Target Communications Device(s)
16 Communications Device(s)

17 Which property;

18 has been used, is being used or is about to be used as a means for committing a public offense.

19 constitutes any evidence that tends to show that a particular public offense has been, is being or
20 is about to be committed or tends to show that **NAME1** has committed or is committing a public
21 offense.

22 is in the possession of a person who has committed, is committing, or is about to commit a
23 public offense.

24 The Tempe Police Department, the United States Marshals Service, or designee is
25 authorized to employ the use of the precision location of a mobile device (GPS location) and cell
26 site and sector information on the Target Communications Device(s) identified herein, and use that
27 information to determine the Target Communications Device's location, even if it is located inside
28 a house, apartment or other building.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20. 2018 6:12 PM

TEMPE COMMUNICATIONS

No. 9109 P. 4/13

1 It is ordered that T-Mobile, beginning within 10 calendar days from the date of this
2 Warrant's issuance and for a period not to exceed 30 days from the issuance of this warrant, shall
3 provide to Tempe Police Department, the USMS, or designee the information requested below for
4 the Target Communications Device, to extend to any time of the day or night as required, including
5 when the Target Communications Device leaves the State of Arizona.

6 It is ordered that T-Mobile, a communication common carrier under Title 18 U.S.C. §2510
7 (10) and a communication service provider under A.R.S. §13-3001, will disclose the current
8 telephone number(s), subscriber(s) information, location(s) and Electronic Serial Number (ESN)
9 numbers, of the above listed-communication device(s).

10 The Service Provider (collectively with any other communication service provider which
11 may provide service other Target Communications Device during the authorized period) shall
12 provide all information, facilities, and technical assistance needed to ascertain the physical location
13 of the Target Communications Device, including but not limited to cell site and sector data, signal
14 tracking technology, and data indicating the specific latitude and longitude of the Target
15 Communications Device (or other precise location such as E-911 Phase II data) (hereinafter
16 referred to as the "Requested Information").

17 The Service Provider shall assist Tempe Police Department, the USMS, or designee by
18 providing all information, facilities, and technical assistance needed to ascertain the Requested
19 Information, and initiate a signal to determine the location of the Target Communications Device
20 on the Service Provider's network or with such other reference points as may be reasonably
21 available, as and if requested by Tempe Police Department, the USMS, or designee and at such
22 intervals and times as may be directed by Tempe Police Department, the USMS, or designee
23 serving this Warrant, and furnish the technical assistance necessary to accomplish the acquisition
24 of the Requested Information unobtrusively and with a minimum of interference with such services
25 as the Service Provider accords the user(s) of the Target Communications Device.

26 The Service Provider will provide the precision location of a mobile device (GPS location)
27 such that the service provider shall initiate a signal to determine the location of the subject's mobile
28 device on the service provider's network or with such other reference points as may be reasonably
available and at such intervals and times as directed by the Tempe Police Department, the USMS,
or their designee.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20, 2018 6:12PM

No. 9109 P. 5/13

1 The Service Provider will provide the cell site and sector information for each telephone
 2 transaction/call captured by way of any accompanying Pen Register, Dialed Number Recorder and
 3 Trap and Trace device installed on the herein identified targeted telephone(s) with a minimum of
 4 intrusion and inconvenience. The Service Provider will furnish the location of cell site and
 5 sector/face data (physical address) at call origination (for outbound calls) and call termination (for
 6 incoming calls) for the target telephone for calls made and received during duration of this order.

7 The service Provider will continue and implement the operation of the Pen Register, Dialed
 8 Numbered Recorder, Trap and Trace Device and Caller Identification for a period not to exceed
 9 thirty (30) days from the date of this Order. In any event, this order shall terminate thirty (30) days
 10 from the date this Order is signed, unless otherwise ordered by this Court;

11 The Service Provider and/or any communication service provider will perform a "Dial Digit
 12 Search" or a "Calls to Destination Search" on the target telephone number(s) or any telephone
 13 number, upon request, and provide the responding telephone number(s) and subscriber(s)
 14 information resulting from the "Dial Digit Search" or a "Calls to Destination Search" operation;

15 The Service Provider will furnish the applicant forthwith all information, services, facilities
 16 and technical assistance necessary to accomplish the installation and utilization of the requested
 17 Pen Register, Dialed Numbered Recorder, Trap and Trace Device and Caller Identification
 18 unobtrusively and with a minimum of interference with the services that the carrier is providing
 19 according its subscribers. Call tracing is initially requested for the fifty (50) United States;

20 Directing that the Service Provider shall furnish officers of the Tempe Police Department
 21 or agents with the USMS, with the subscriber's name, the subscribers' date of birth, the subscribers'
 22 social security number, address, current and/or historical call records, Calls Detail Reports (CDR's),
 23 toll records, long distance and "roaming" information for [REDACTED] between the date this order
 24 is signed and 30 days prior to its issuance and for the authorized period of this warrant.

25 The Service Provider, a communication common carrier under Title 18 U.S.C. §2510 (10)
 26 and a communication service provider under A.R.S. §13-3001, and/or any communication provider
 27 be directed to furnish the applicant with subscriber information for those telephone numbers, names,
 28 or addresses identified by the Pen Register, Dialed Number Recorder, and Caller Identification
 equipment installed as part of the monitoring facility, twenty-four hours a day, seven days a week,



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20, 2018 6:12PM

No. 9109 P. 6/13

1 pursuant to the Court's order, and that this application has been made in good faith in furtherance
2 of an ongoing criminal investigation involving criminal activity based on probable cause.

3 The Service Provider will disclose the telephone number(s), location(s), and Electronic
4 Serial Number (ESN) numbers, Mobile Identification Number's (MIN), Mobile Equipment
5 Identifiers (MEID), Mobile Directory Numbers (MDN), International Mobile Subscriber
6 Identifications (IMSI), International Mobile Equipment Identities (IMEI), and/or Mobile Station
7 Identities (MSID) of the above listed-communication service(s) if changed by the current subscriber
8 to a new number, location, or (ESN), (MIN), (MEID), (MDN), (IMSI), (IMEI), and/or (MSID)
9 number, per subscriber name during the period authorized by this Tracking Device Search Warrant,
10 and shall transfer the use of the precision location of a mobile device (GPS location) capability
11 along with service to any new number, location, or ESN number (ESN), (MIN), (MEID), (MDN),
12 (IMSI), (IMEI), and/or (MSID) number and shall advise the Tempe Police Department, or the
13 USMS, of the telephone number(s) to which service has been transferred;

14 Directing that the use of the precision location of a mobile device (GPS location) and cell
15 site and sector information shall be authorized for a period of thirty (30) days from the date this
16 Tracking Device (GPS location) Search Warrant was signed.

17 The Tempe Police Department or the USMS shall compensate the Service Provider for
18 services in this matter at the prevailing rate of payment;

19 T-Mobile, their employees and agents not reveal to NAME1 or to any person, the existence
20 of this investigation or the use of the precision location of a mobile device (GPS location)
21 information request;

22 Pursuant to A.R.S. §13-4293(C), use of the precision location of a mobile device (GPS
23 location) and cell site and sector information on the Target Communications Device(s) may be
24 used any time of the day or night.

25 Investigators with the Tempe Police Department, the USMS, or designee are authorized to
26 use the Signal Information Collection System (Cell Site Simulator Device) only when investigators
27 have reason to believe that NAME1 is present. The Tempe Police Department, the USMS, or
28 designee is authorized to use the Signal Information Collection System (Cell Site Simulator
Device) even if NAME1 is believed to be located inside a house, apartment or other
building. Absent further order of a court, law enforcement will make no affirmative investigative



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 29. 2018 6:13PM

TEMP TO COMMUNICATIONS

No. 9109 P. 7/13

1 use of any identifiers collected from cellular devices other than the Target Communications
2 Device(s), except to identify the Target Communications Device(s) and distinguish it from the
3 other cellular devices.

4 Furthermore, the Tempe Police Department, the USMS, or designee is authorized to use
5 the Signal Information Collection System (Cell Site Simulator Device) to monitor the signals
6 broadcast by the Target Communications Device(s) and use that information to determine the
7 Target Communications Device's location, even if it is located inside a house, apartment or other
8 building. To the extent that any information from a cellular device other than the Target
9 Communications Device(s) is collected by the Signal Information Collection System (Cell Site
10 Simulator Device), law enforcement will delete that information pursuant to A.R.S. §13-4294(H).

11 Pursuant to A.R.S. §13-4294(I), all non-target data must be destroyed within 30 court
12 business days after the return of the search warrant to a magistrate unless a court orders the non-
13 target data to be preserved.

14 Pursuant to A.R.S. §13-4294(G), the cell site simulator device may not be used to intercept,
15 obtain or access the content of any stored oral, wire or electronic communication unless the
16 interception or access is authorized by Chapter 30 of Title 13. This search warrant also prohibits
17 the seizure of any tangible property. It does allow the capturing of Electronic Serial Numbers
18 (ESN), Mobile Identification Number's (MIN), Mobile Equipment Identifiers (MEID), Mobile
19 Directory Numbers (MDN), International Mobile Subscriber Identifications (IMSI), International
20 Mobile Equipment Identities (IMEI), and/or Mobile Station Identities (MSID) number(s). In
21 addition it also allows the use of the Signal Information Collection System (Cell Site Simulator
22 Device) to determine the location of Target Communications Device(s) by locating the signals
23 emitting from the Target Communications Device(s).

24 Pursuant to A.R.S. §13-4293(C) and A.R.S. §13-4294(C), use of the cell site simulator
25 device may be any time of the day or night.

26 Pursuant to A.R.S. §13-4293(E) and A.R.S. §13-4294(D), law enforcement is ordered to
27 return the search warrant to a magistrate no later than three court business days after the conclusion
28 of the electronic surveillance authorized herein.

Pursuant to A.R.S. § 13-4293(F) and A.R.S. §13-4294(E), a copy of the search warrant
shall be served within 90 days upon the conclusion of the electronic surveillance authorized herein,



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

03/24/2018 Mar. 20, 2018 6:13PM

TEMPE PD COMMUNICATIONS

No. 9109 P. 8/13


1 unless additional time is applied for and granted by the court based upon the showing of good
2 cause.

3 Pursuant to A.R.S. §13-4293(G), A.R.S. §13-4294(F) and §13-3919(B), reasonable cause
4 having been shown that a delay of service of the notice of search warrant is necessary to protect
5 the safety of any person and/or to prevent flight from prosecution, tampering with evidence,
6 intimidation of witnesses and/or jeopardizing the investigation, and because this warrant prohibits
7 the seizure of any tangible property, any wire or electronic communication or any stored wire or
8 electronic information, law enforcement is hereby ordered to delay service of the copy of the search
9 warrant. The copy of the search warrant shall be sent no later than 270 days after issuance and
10 upon the conclusion of the electronic surveillance authorized herein, unless additional time is
11 granted by the court based on an application and judicial finding. Service of the copy of the search
12 warrant shall be made pursuant to A.R.S. §13-4293(F) and A.R.S. §13-4294(E).

13 The Court finds that due to the nature, complexity and/or projected duration of the
14 investigation that the period of delayed notification is appropriate. It is further ordered that law
15 enforcement shall file a supplemental return of the search warrant to a magistrate confirming that
16 a copy of the search warrant was provided in accordance with methods detailed in A.R.S. §13-
17 4293(F) and A.R.S. §13-4294(E). The supplemental return shall be provided within three court
18 business days after service of the copy of the search warrant.

19 This Order is sealed until otherwise ordered by this Court, or other court of competent
20 jurisdiction.

21 Given under my hand and dated this 20th day of March, 2018.

22
23 
24
25 Judge, Maricopa County Superior Court

26 HONORABLE JANE MCLAUGHLIN
27 MARICOPA COUNTY SUPERIOR COURT
28



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20. 2018* 6:13PM

No. 9109 P. 9/13

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AFFIDAVIT FOR SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

No. 2018-002991

YOUR AFFIANT, Detective Bill Kelly #17225 a peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says:

I, your Affiant, Detective Matt McFarland #18205, am a certified peace officer in the State of Arizona, employed by the Tempe Police Department, Maricopa County, Arizona.

This affidavit is submitted for authorization of the installation and use of a Pen Register, Dialed Number Recorder Device, Trap and Trace Device and Caller Identification over [REDACTED], utilized by Rafael Vasquez (NAME1) and other co-conspirators both known and yet unknown, within Maricopa County, Arizona. This request is for a period of thirty (30) days.

This affidavit is submitted pursuant to A.R.S. §13-3017, and Title 18 U.S.C. §2703 for an order from the Court authorizing the installation and use of a device, designed to record and identify dialed telephone numbers from a specific enumerated telephone(s). This device is commonly known as a Pen Register or a Dialed Number Recorder.

This affidavit is submitted pursuant to A.R.S. §13-3017, and Title 18 U.S.C. §2703 for an order from the Court authorizing the installation and use of a device designed to trace and identify telephone numbers of parties placing telephone calls to the specific enumerated telephone(s). This device is commonly known as a Trap and Trace Device. Further, your Affiant requests the installation of Caller Identification. The authorized Pen Register, Dialed Number Recorder, Trap and Trace Device, and Caller Identification will be used to record telephone numbers dialed from, and record and identify incoming telephone numbers calling to the targeted telephone(s).

This affidavit is submitted for authorization to employ the use of the precision location of a mobile device (GPS location) and cell site and sector information on the Target Communications Device(s) identified herein, to determine the location of the cellular device or devices carried by NAME1.

This affidavit is also submitted for authorization to use a Signal Information Collection System (Cell Site Simulator Device) in order to determine the location of the Target Communications Device(s) and further to identify any additional communications device(s) carried by NAME1. The Signal Information Collection System (Cell Site Simulator Device)



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20, 2018 6:14 PM

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1 simulates a cellular tower and sends signals to cellular devices that are nearby. Target and non-
 2 target cellular devices that are nearby then respond to the Signal Information Collection System
 3 (Cell Site Simulator Device) with unique non-content electronic signals containing Electronic
 4 Serial Number's (ESN), Mobile Identification Number's (MIN), Mobile Equipment Identifier
 5 (MEID), Mobile Directory Number (MDN), International Mobile Subscriber Identification (IMSI),
 6 International Mobile Equipment Identity (IMEI), and/or Mobile Station Identity (MSID) allowing
 7 the Signal Information Collection System (Cell Site Simulator Device) to capture the previously
 8 listed identification numbers.

9 In order to identify additional communications device(s) carried by NAME1, Signal
 10 Information Collection System (Cell Site Simulator Device) may need to be utilized at multiple
 11 locations and/or multiple times at a common location but will only be utilized when investigators
 12 have reason to believe that NAME1 is present.

13 While utilizing the Signal Information Collection System (Cell Site Simulator Device), the
 14 Target Communications Device(s) and non-target cellular devices might experience temporary
 15 disruption of service from the service provider, however the ability to make "911" calls is not
 16 affected. The Signal Information Collection System (Cell Site Simulator Device) will be utilized
 17 in a manner to ensure the minimal amount of interference to non-target cellular devices.

18 Absent further order of a court, law enforcement will make no affirmative investigative use
 19 of any identifiers collected from cellular devices other than the Target Communications Device(s),
 20 except to identify the Target Communications Device(s) and distinguish it from the other cellular
 21 devices.

TARGET COMMUNICATIONS DEVICE(S):

22
 23 Telephone: [REDACTED]
 24 Service Provider: T-Mobile
 25 Subscriber: Rafael Vasquez
 26 Address: [REDACTED]
 27 Utilized by: Rafael Vasquez
 28 Herein referred to as FNU LNU, aka NAME1

28 By employing the requested Signal Information Collection System (Cell Site Simulator Device), I believe that it will assist in identifying the communications device(s) in the possession



TEMPE POLICE DEPARTMENT

General Offense Report


GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20, 2018 6:14PM

No. 9109 P. 11/13

1 of NAME1 and it will assist in identifying the location of the Target Communications Device(s).
 2 This affidavit is submitted for authorization to use the Signal Information Collection System (Cell
 3 Site Simulator Device) and Pen Register and Trap and Trace Device for a period not to exceed
 4 thirty (30) days.

5
 6 THE AFFIANT has probable cause to believe that:
 7 RAFAEL VASQUEZ 
 8 ~~Deshawn Davis~~ has committed and/or is committing the following violations of Arizona

Revised Statutes:

- 9 • §13-1103.A.1, Vehicular Manslaughter

10
 11 Further, there is probable cause to believe that:
 12 on the person of Rafael Vasquez Herein referred to as FNU LNU, aka NAME1
 13 In Maricopa County, State of Arizona, there is now being possessed or concealed certain property
 14 described as:

- 15 A Communications Device(s)
- 16 Target Communications Device (s)

17 Which property
 18 has been used, is being used or is about to be used as a means for committing a public offense.
 19 constitutes any evidence that tends to show that a particular public offense has been, is being or
 20 is about to be committed or tends to show that Rafael Vasquez has committed or is committing a
 21 public offense.

22 is in the possession of a person who has committed, is committing, or is about to commit a
 23 public offense.

24 In addition, in order to obtain additional evidence relating to the Target Communications
 25 Device(s), its user, and the criminal violations under investigation, law enforcement must first
 26 identify the Target Communications Device(s). There is probable cause to believe that the use of
 27 the investigative technique described by the warrant will result in officers learning that identifying
 28 information.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20, 2018 6:14PM

No. 9109 P. 12/13

1 There is also probable cause to believe that the location of the Target Communications
 2 Device(s) will constitute evidence of those criminal violations including leading to the
 3 identification and/or location of NAME1 who is engaged in the commission of these offenses.

REGULAR INFORMATION:

6 That the following facts establish probable cause for believing that grounds for the issuance
 7 of a search warrant for the aforementioned person:

PROBABLE CAUSE STATEMENT

10 On 03/18/18 at approximately 2200 hours a 2017 Volvo XC90 bearing AZ license plate [REDACTED]
 11 was travelling north on Mill Ave. approaching Washington St., Tempe, AZ when it collided with a
 12 pedestrian crossing from the west side of Mill Ave. to the east side of Mill Ave. south of
 13 Washington St. The pedestrian was pronounced deceased at approximately 2230 hours. The sole
 14 occupant of the vehicle, Rafael Vasquez, stated the Volvo was a self-driving vehicle and was in
 15 full autonomous mode. Raphael stated her hands were off the steering wheel and her feet were off
 16 the accelerator/decelerator pedals at the time of the collision.

17 *RAFAEL HAS CONTACT OFFERS AT LEAST ONE AT THIS TELEPHONE
 18 NUMBER CONFIRMING IT IS HERS. (MS) [initials]*

18 Your Affiant is seeking this search warrant to assist in locating Rafael Vasquez to serve search
 19 warrant 2018-002912 which was granted by the Maricopa Superior Court Search Warrant Center's
 20 Honorable Jane McLaughlin to seize Rafael's cell phone. Rafael provided investigators at the
 21 scene of the collision with a false address, and further attempts to locate Rafael have been
 22 unsuccessful.

DELAYED NOTICE OF SERVICE/NIGHTTIME SERVICE

26 Provided this Court authorizes the use the precision location of a mobile device (GPS location), cell
 27 site and sector information and authorizes the use of the Signal Information Collection System (Cell
 28 Site Simulator Device) identified herein, your Affiant respectfully requests to delay the notice of
 service pursuant to A.R.S. §13-4293(G), A.R.S. §13-4294(F) and §13-3919(B) until 270 days after
 the order terminates. Based on the following justifications:



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20, 2018 6:15PM

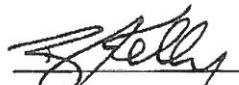
No. 9109 P. 13/13

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- It has been the experience of your Affiant that should targets of these types of investigations become aware that an ongoing investigation exists, it is likely these targets will discontinue the use of the Target Communications Device(s).
- It has also been the experience of your Affiant that should targets of these types of investigations become aware that an ongoing investigation exists, it becomes likely that they will flee for the purpose of avoiding prosecution.
- It has been the experience of your Affiant that should targets of these types of investigations become aware that an ongoing investigation exists; it is likely that they will inform other co-conspirators of the investigation, therefore impeding our ability to effectively investigate the organization.

Law enforcement will file a supplemental return of the search warrant to a magistrate confirming that a copy of the search warrant was provided in accordance with methods detailed in A.R.S. §13-4293(F) and A.R.S. §13-4294(E). The supplemental return will be provided within three court business days after service of the copy of the search warrant.

In addition, your Affiant respectfully requests that this Affidavit be sealed.


 Detective Bill Kelly #17225
 Tempe Police Department

SUBSCRIBED AND SWORN BEFORE ME ON THIS 20th DAY OF MARCH, 2018.


 Judge, Maricopa County Superior Court

HONORABLE JANE MCLAUGHLIN
 MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Return

TEMPE Police Department Search Warrant # SW2018-002991
 Standard Arizona Inventory Receipt Report # 2018-32694
 Affidavit and Return of Search Warrant
 I Officer A. RAMOS Badge# 18382 a POLICE Officer of the
 State of Arizona, being first duly sworn upon, deposes and says:

That on 20th day of MARCH 2018, I executed this warrant issued by Judge JANE MCLAWHLIN
 and the following described property was seized:

GPS COORDINATES OF PHONE # [REDACTED]

I further certify that the foregoing inventory is a true and detailed account of all property taken by me, pursuant to ARS 13-3921, and that a detailed receipt for the property taken was:

- Given to: _____
- Left at: T-MOBILE

Affiant: ALBERT RAMOS Badge # 18382
 Rank: DETECTIVE Department: TEMPE POLICE

This warrant was returned, subscribed and sworn to me before this 20 day of March 2018
 Pursuant to ARS 13-3918A.

Judge: [Signature]
 Of the HONORABLE COURT Court.
 MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Court Order

Description: SEARCH WARRANT #2018-003000

Mar. 20, 2018 9:30PM 3/20/2018 8:16:42 PM PAGE 1/006 PaNo. 91297EXP. 1/6



Tempe Police Department
120 E. 5th Street
Tempe, AZ 85281
480-330-4311
www.tempe.gov

Police Department - Criminal Investigations

FAX COVER

DATE: 3/20/18
TO: Search Warrant Center
COMPANY: Search Warrant Center
FAX #: [REDACTED] PHONE #: [REDACTED]
IR #: Tempe PD 2018-32694
FROM: Detective Palmioli #20193
COMPANY: TEMPE POLICE DEPARTMENT
FAX#: [REDACTED]
EMAIL: angelena_palmioli@Tempe.gov
OF PAGES INCLUDING COVER:
COMMENTS: Please contact my cell phone with any issues, return FAX [REDACTED]

TEMPE POLICE RELEASE

Dissemination is restricted to

Criminal Justice Agencies ONLY

Secondary dissemination to

Non-criminal Justice agencies is prohibited

The 100th Internationally Accredited Law Enforcement Agency



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20. 2018 9:30PM 07/20/2018 01:13:34 PM PAGE 2/000 No. 9129 P. 2/6

CITY OF TEMPE, ARIZONA

AFFIDAVIT FOR SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT# *2018-00300*
REPORT #18-32694

YOUR AFFIANT(S) **Detective L. Palmaloli #20193**

A peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on March 19, 2018 in the City of Tempe, County of Maricopa, State of Arizona, the crime of **Vehicle Manslaughter, ARS 13-1103.A.1** was committed.

THAT THE AFFIANT has probable cause to believe that

- on the person(s) of
- on the premises known as:
- in the vehicle(s) described as:

Rafael Vasquez, also known as **Rafaela Vasquez**, an individual who is 5'7", 180 pounds with black hair and brown eyes. Rafael's date of birth is [REDACTED] and social security number is [REDACTED]. Rafael's whereabouts are unknown at this time.

That said property or things are described as follows:

- Cell Phones in Rafael Vasquez's possession at time of the collision.
- Digital extraction of all content of the cell phones, including but not limited to call logs, text messages, GPS, Internet searches and social media usage immediately leading up to and immediately following collision.

- were stolen or embezzled.
- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20. 2018 9:31PM No. 9129 P. 3/6

such person is the subject of an outstanding arrest warrant.

That the following facts establish probable cause for believing that grounds for the issuance of a search warrant for the aforementioned items exists:

Your Affiant, Tempe Police Department Detective L. Palmioli #20193, has been employed as a Police Officer by the City of Tempe Police Department for approximately 5 and 1/2 years (5 1/2) years. Your Affiant joined the Tempe Police Department in September of 2012 as a patrol officer. In 2012, your Affiant attended the Arizona Law Enforcement Academy in Phoenix for initial training, and successfully completed all required courses where I was trained in the practices and procedures of a Law Enforcement Officer. Upon graduation, your Affiant was assigned to the Patrol Division of the Tempe Police Department. During your Affiant's assignment to the Patrol Division, she performed the duties of a uniformed police officer. From 2012 to 2014 your Affiant worked in the Patrol Division as a Patrol Officer where I drafted and was authorized to serve multiple warrants for drug offenses, property crimes and persons crimes.

In August 2014, your affiant tested for, was assigned to and currently works in the Central City Bureau Bike Squad which primarily addresses liquor law violations, street-level illegal drug violations, and property crime investigations among other criminal and civil situations common within commercial and residential environments to include persons crimes.

In January 2018, I transferred to the Tempe Police Department Criminal Investigations Bureau, and was assigned to the Domestic Violence Detail. During my time in this detail I participated in several criminal investigations involving assaults, criminal damage, threatening or intimidating and other related crimes.

During my career as a Law Enforcement Officer, I have been involved in and have learned an extensive amount regarding criminal investigations and the investigative process. I learned what it takes to be a competent officer, with the ability to perform all aspects of investigations.

I have studied in depth the department's policies and procedures, gaining a good understanding of the expectations and goals of the Department. Including, but not limited to search and seizure issues. I have also attended numerous trainings, seminars, and lectures to further my criminal justice knowledge base.

REGULAR INFORMATION FORM

Based on information Your Affiant has learned from Det. Haubold of the Tempe Police Vehicular Crimes Unit, it is believed the crime of Vehicle Manslaughter (ARS 13-1103.A.1) may have been committed and that evidence of this offense is currently located on the cell phones in possession of Rafael Vasquez, also known as Rafaela Vasquez, the driver of a 2017 Gray Volvo XC90 bearing Arizona License Plate [REDACTED] at the time of the collision.

On 03/18/18 at approximately 2200 hours an Uber Volvo XC90 driving in autonomous mode was traveling north on Mill Ave. approaching Washington St., Tempe, AZ when it collided with a person crossing



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20, 2018 9:31PM No. 9129 P. 4/6

from the west side of Mill Ave. to the east side of Mill Ave. south of Washington St. The pedestrian was pronounced deceased at approximately 2230 hours. During an interview with Rafael, she indicated her hands were off the steering wheel and their feet were off the accelerator/decelerator pedals during the collision.

Your Affiant is seeking this search warrant to seize any cell phones in Rafael Vasquez's possession at the time of the collision, and digitally extract any data from the phone(s) showing use immediately leading up to and immediately following the collision to determine if Rafael was distracted and unable to take corrective actions to avoid the collision.

Your affiant therefore requests that this search warrant be granted.

- in the daytime (excluding the time period of between 10:00 P.M. and 6:30 A.M.)
- Affiant believes that the following information demonstrates good cause for permitting this warrant to be served between 10:00 P.M. and 6:30 A.M.

Your affiant requests night time exception for this warrant based on that fact the destruction and/or removal of evidence is possible and likely reference a vehicular manslaughter case. At the present time, Law Enforcement officers will be en-route to the scene where their arrival will be after 2200 hours upon the issuance of this warrant and due to manpower constraints; it is not feasible to delay for a daytime warrant issuance.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the persons, premises, buildings, and vehicles described herein for the persons, property and things herein described, and that the same be retained in the custody of the affiant or in the custody of the agency which the affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920.

L. Palmioli #20193
Detective L. Palmioli #20193
Tempe Police Department

SUBSCRIBED AND SWORN to before me this 20th day of March, 2018.

Jane McLaughlin
Judge/Commissioner
Maricopa County Superior Court

HONORABLE JANE MCLAUGHLIN
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20. 2018 9:32PM

No. 9129 P. 5/6



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

SEARCH WARRANT
COUNTY OF MARICOPA, STATE OF ARIZONA

2018-03000
WARRANT#
REPORT #18-32694

ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof by affidavit having been made this day to me by: **Detective L. Palmaoli #20193**

I am satisfied that there is probable cause to believe that:

- on the person(s) of
- on the premises known as:
- in the vehicle(s) described as:

Rafael Vasquez, also known as **Rafaela Vasquez**, an individual who is 5'7", 180 pounds with black hair and brown eyes. Rafael's date of birth is [REDACTED] and social security number is [REDACTED]. Rafael's whereabouts are unknown at this time.

in the City of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things described as:

- Cell Phones in Rafael Vasquez's possession at time of the collision.
- Digital extraction of all content of the cell phones, including but not limited to call logs, text messages, GPS, internet searches and social media usage immediately leading up to and immediately following collision.

Which property or things:

- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed.
- such person is the subject of an outstanding arrest warrant.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 20. 2018 9:32PM

No. 9129 P. 6/6

Such public offense of the Arizona Revised Statute Title 13 A.R.S. sections 13-1204A2

YOU ARE THEREFORE COMMANDED

- in the daytime (excluding the time period of between 10:00 P.M. and 6:30 A.M.)
- Or nighttime (good cause therefore having been shown) to make a search of the above named or described person(s), premises, vehicles for the herein above described property or things, and if you find the same or any part thereof, to retain such in your custody or in the custody or in the custody of the Tempe Police Department, as provided by A.R.S. 13-3920.

Your affiant requests night time exception for this warrant based on that fact the destruction and/or removal of evidence is possible and likely reference a vehicular manslaughter case. At the present time, Law Enforcement officers will be en-route to the scene where their arrival will be after 2200 hours upon the issuance of this warrant and due to manpower constraints; it is not feasible to delay for a daytime warrant issuance.

- On a reasonable showing that an announced entry to execute the warrant would endanger the safety of any person or would result in the destruction of any of the items described in the warrant, the magistrate shall authorize an unannounced entry, as provided by A.R.S. 13-3915.B.

Return this warrant to me within three (3) days of the thereof, as directed by A.R.S. 13-3918.

Given under my hand and dated this 20th day of March, 2018


 Judge/Commissioner
 Maricopa County Superior Court

HONORABLE JANE MCLAUGHLIN
 MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

RETURN OF SEARCH WARRANT

I certify that on 3/20/18, search warrant #2018-003000 was **NOT EXECUTED**, issued by the Honorable Jane McLaughlin and that I seized the following described items of property:

Items/Descriptions:

SEARCH WARRANT NOT EXECUTED DUE TO ISSUANCE/EXECUTION OF DAYTIME WARRANT

I further certify that I gave a detailed receipt for the property take to: _____
MUST LEAVE A COPY OF THE S/W AND PROPERTY LIST AT THE LOCATION OR GIVE THESE ITEMS TO THE SUSPECT/HOME OWNER

OR

I further certify that I left a detailed receipt for the property taken from _____
and a copy of the warrant on _____.

Dated this 22nd day of March, 2018


2018
Tempe Police Department
Palmioli

VERIFICATION OF RETURN SWORN TO AND SUBSCRIBED TO BEFORE ME THIS 22nd DAY OF March, 2018.



Judge/Commissioner

HONORABLE JANE MCLAUGHLIN
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

SEARCH WARRANT
COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT#
REPORT #18-32694

ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof by affidavit having been made this day to me by: **Detective L. Palmioli #20193**

I am satisfied that there is probable cause to believe that:

- on the person(s) of
- on the premises known as:
- in the vehicle(s) described as:

Rafael Vasquez, also known as Rafaela Vasquez, an individual who is 5'7", 180 pounds with black hair and brown eyes. Rafael's date of birth is [REDACTED] and social security number is [REDACTED]. Rafael's whereabouts are unknown at this time.

in the City of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things described as:

- **Cell Phones in Rafael Vasquez's possession at time of the collision.**
- **Digital extraction of all content of the cell phones, including but not limited to call logs, text messages, GPS, internet searches and social media usage immediately leading up to and immediately following collision.**

Which property or things:

- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed.
- such person is the subject of an outstanding arrest warrant.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Such public offense of the Arizona Revised Statute Title 13 A.R.S. sections 13-1204A2

YOU ARE THEREFORE COMMANDED

- in the daytime (excluding the time period of between 10:00 P.M. and 6:30 A.M.)
- Or nighttime (good cause therefore having been shown) to make a search of the above named or described person(s), premises, vehicles for the herein above described property or things, and if you find the same or any part thereof, to retain such in your custody or in the custody or in the custody of the **Tempe Police Department**, as provided by A.R.S. 13-3920.

Your affiant requests night time exception for this warrant based on that fact the destruction and/or removal of evidence is possible and likely reference a vehicular manslaughter case. At the present time, Law Enforcement officers will be en-route to the scene where their arrival will be after 2200 hours upon the issuance of this warrant and due to manpower constraints; it is not feasible to delay for a daytime warrant issuance.

- On a reasonable showing that an announced entry to execute the warrant would endanger the safety of any person or would result in the destruction of any of the items described in the warrant, the magistrate shall authorize an unannounced entry, as provided by A.R.S. 13-3915.B.

Return this warrant to me within three (3) days of the thereof, as directed by A.R.S. 13-3918.

Given under my hand and dated this 20th day of March, 2018

Judge/Commissioner
Maricopa County Superior Court



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

AFFIDAVIT FOR SEARCH WARRANT
COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT#
REPORT #18-32694

YOUR AFFIANT(S) **Detective L. Palmaoli #20193**

A peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on March 19, 2018 in the City of Tempe, County of **Maricopa**, State of Arizona, the crime of **Vehicular Manslaughter, ARS 13-1103.A.1** was committed.

THAT THE AFFIANT has probable cause to believe that

- on the person(s) of
- on the premises known as:
- in the vehicle(s) described as:

Rafael Vasquez, also known as Rafaela Vasquez, an individual who is 5'7", 180 pounds with black hair and brown eyes. Rafael's date of birth is [REDACTED] and social security number is [REDACTED]. Rafael's whereabouts are unknown at this time.

That said property or things are described as follows:

- **Cell Phones in Rafael Vasquez's possession at time of the collision.**
- **Digital extraction of all content of the cell phones, including but not limited to call logs, text messages, GPS, internet searches and social media usage immediately leading up to and immediately following collision.**

- were stolen or embezzled.
- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

- such person is the subject of an outstanding arrest warrant.

That the following facts establish probable cause for believing that grounds for the issuance of a search warrant for the aforementioned items exists:

Your Affiant, Tempe Police Department Detective L. Palmaioli #20193, has been employed as a Police Officer by the City of Tempe Police Department for approximately 5 and ½ years (5 1/2) years. Your Affiant joined the Tempe Police Department in September of 2012 as a patrol officer. In 2012, your Affiant attended the Arizona Law Enforcement Academy in Phoenix for initial training, and successfully completed all required courses where I was trained in the practices and procedures of a Law Enforcement Officer. Upon graduation, your Affiant was assigned to the Patrol Division of the Tempe Police Department. During your Affiant's assignment to the Patrol Division, she performed the duties of a uniformed police officer. From 2012 to 2014 your Affiant worked in the Patrol Division as a Patrol Officer where I drafted and was authorized to serve multiple warrants for drug offenses, property crimes and persons crimes.

In August 2014, your affiant tested for, was assigned to and currently works in the Central City Bureau Bike Squad which primarily addresses liquor law violations, street-level illegal drug violations, and property crime investigations among other criminal and civil situations common within commercial and residential environments to include persons crimes.

In January 2018, I transferred to the Tempe Police Department Criminal Investigations Bureau, and was assigned to the Domestic Violence Detail. During my time in this detail I participated in several criminal investigations involving assaults, criminal damage, threatening or intimidating and other related crimes.

During my career as a Law Enforcement Officer, I have been involved in and have learned an extensive amount regarding criminal investigations and the investigative process. I learned what it takes to be a competent officer, with the ability to perform all aspects of investigations.

I have studied in depth the department's policies and procedures, gaining a good understanding of the expectations and goals of the Department. Including, but not limited to search and seizure issues. I have also attended numerous trainings, seminars, and lectures to further my criminal justice knowledge base.

REGULAR INFORMATION FORM

Based on information Your Affiant has learned from Det. Haubold of the Tempe Police Vehicular Crimes Unit, it is believed the crime of Vehicle Manslaughter (ARS 13-1103.A.1) may have been committed and that evidence of this offense is currently located on the cell phones in possession of Rafael Vasquez, also known as Rafaela Vasquez, the driver of a 2017 Gray Volvo XC90 bearing Arizona License Plate [REDACTED] at the time of the collision.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

On 03/18/18 at approximately 2200 hours an Uber Volvo XC90 driving in autonomous mode was traveling north on Mill Ave. approaching Washington St., Tempe, AZ when it collided with a person crossing from the west side of Mill Ave. to the east side of Mill Ave. south of Washington St. The pedestrian was pronounced deceased at approximately 2230 hours. During an interview with Rafael, she indicated her hands were off the steering wheel and their feet were off the accelerator/decelerator pedals during the collision.

Your Affiant is seeking this search warrant to seize any cell phones in Rafael Vasquez's possession at the time of the collision, and digitally extract any data from the phone(s) showing use immediately leading up to and immediately following the collision to determine if Rafael was distracted and unable to take corrective actions to avoid the collision.

Your affiant therefore requests that this search warrant be granted.

- in the daytime (excluding the time period of between 10:00 P.M. and 6:30 A.M.)
- Affiant believes that the following information demonstrates good cause for permitting this warrant to be served between 10:00 P.M. and 6:30 A.M.

Your affiant requests night time exception for this warrant based on that fact the destruction and/or removal of evidence is possible and likely reference a vehicular manslaughter case. At the present time, Law Enforcement officers will be en-route to the scene where their arrival will be after 2200 hours upon the issuance of this warrant and due to manpower constraints; it is not feasible to delay for a daytime warrant issuance.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the persons, premises, buildings, and vehicles described herein for the persons, property and things herein described, and that the same be retained in the custody of the affiant or in the custody of the agency which the affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920.

Detective L. Palmaioli #20193
Tempe Police Department

SUBSCRIBED AND SWORN to before me this 20th day of March, 2018.

Judge/Commissioner
Maricopa County Superior Court



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Court Order

Description: SEARCH WARRANT #SW2018-003020

03/Mar. 21. 2018 1:29PM 08585490

TEMPE POLICE

No. 9221 IP. 2 02/01

Tempe Police Department
City of Tempe

AFFIDAVIT FOR SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

Warrant Number: SW2018003020

Tempe Police Incident Report: 2018-32694

Your affiant, Detective M. McCormick, 22020, a peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on or about the 18th day of March, 2018, in the County of Maricopa, State of Arizona, the crime of A.R.S 13-1103A1/Vehicular Manslaughter, was committed by:

Rafael Stuart Vasquez
Date of Birth: [REDACTED]

That the affiant has probable cause to believe that

on the person(s) of:

on the premises known as:

Tempe Police Department
Property Facility
1876 East Apache Boulevard
Tempe, Arizona 85261

in the vehicle(s) described as:

Year 2017
Make Volvo
Model XC90
Style 4DSW
Color Gray
License Plate State Arizona
License Plate Number [REDACTED]
Vehicle Identification Number [REDACTED]
Registered Owner Name UATC LLC
Registered Owner Address [REDACTED]
Registered Owner City/State/Zip [REDACTED]

In the City of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things which:

- was stolen or embezzled.
- was used as means of committing a public offense.
- is being possessed with the intent to use as a means of committing a public offense.
- is in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that Rafael Stuart Vasquez has committed the offense.
- such person is the subject of an outstanding arrest warrant.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

03/Mar. 21. 2018 1:29PM 08586498

TEMPE POLICE

No. 9221 FP. 3 03/07

Tempe Police Department
City of Tempe

That said property or things are described as follows:

1. Year: 2017
 Make: Volvo
 Model: XC90
 Style: 2017
 Color: Gray
 License Plate State: Arizona
 License Plate Number: [REDACTED]
 Vehicle Identification Number: [REDACTED]
 Registered Owner Name: UATC LLC
 Registered Owner Address: [REDACTED]
 Registered Owner City/State/Zip: [REDACTED]
2. Occupy/move 2017 Volvo XC90 from Tempe PD impound at 1875 East Apache Blvd. to test location (location of collision)
3. Occupy/drive the 2017 Volvo XC90 in test area to conduct visibility study along with brake efficiency study and any other tests deemed necessary for collision reconstruction
4. Manipulate switches in 2017 Volvo XC90 to operate functions in vehicle to include but not limited to head lights, brake lights, parking brakes and interior lights
5. Operate any onboard computer systems installed by the manufacturer or aftermarket components installed in vehicle.
6. Photograph and video of interior/exterior of vehicle at multiple points before, during and after testing

That the following facts establish probable cause for believing that the grounds for the issuance of a search warrant for the aforementioned items exist:

Your Affiant is a police officer in the State of Arizona and has been employed by the City of Tempe, Tempe Police Department, for 5 years. I am currently assigned to the Traffic Investigation Bureau, Vehicular Crimes Unit. I have the following training and experience:

I received certification as a police officer after attending at the:

- Phoenix Regional Police Academy
- Arizona Law Enforcement Academy
- Other: LETA

My duty assignments have included traffic enforcement, impaired driving investigation, and collision investigation.

I have specialized training in:

- Impaired Driving Investigation
- Horizontal Gaze Nystagmus
- Drug Recognition and Classification (Drug Recognition Expert)
- Collision Investigation
- Collision Reconstruction
- Methodology and Techniques of Crash Data Retrieval
- Commercial Motor Vehicle Inspection (Commercial Vehicle Safety Specialist)
- Weights and Measures (Limited Weighmaster)
- Other:

In addition to my time with the Tempe Police Department, I was also a Patrol Deputy with the Yuma County Sheriff's Office for approximately one year nine months and a police officer with the Yuma Police Department for



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

03/Mar. 21. 2018 1:30PM 08586490

TEMPE POLICE

No. 9221 P. 4 04/01

Tempe Police Department
City of Tempe

seven years. During my time with the Yuma Police Department, I served as a DUI Enforcement Officer for approximately two years where one of my duties was to investigate serious injury and fatal collisions. I was also a Property Crimes detective for three years while working for the Yuma Police Department.

REGULAR INFORMATION FORM

That on or about the 18th day of March, 2018, your Affiant learned the following information in the following manner:

Based on information your affiant has learned from Detective Haubold of the Tempe Police Department's Vehicular Crimes Unit and from my own investigation, it is believed the crime of Vehicular Manslaughter (ARS 13-1103A1) may have been committed and evidence that can be obtained from the 2017 Volvo XC90 will be helpful with completing a collision reconstruction.

On 03/18/18 at approximately 2200 hours an Uber Volvo XC90 with Arizona license plate [REDACTED] driving in autonomous mode was traveling north on Mill Avenue approaching Washington Street, Tempe, AZ when it collided with a person crossing from the west side of Mill Avenue to the east side of Mill Avenue south of Washington Street. The pedestrian was pronounced deceased at approximately 2230 hours from injuries caused during this collision. During an interview with Rafael, she indicated her hands were off the steering wheel and her feet were off of the accelerator/decelerator pedals during the collision.

Video footage from a dashboard camera was obtained, which showed footage of the collision looking forward from the vehicle's cabin and a view of the driver. Prior to the collision, Rafael can be seen looking down multiple times inside of the vehicle's cabin. While looking down at this unknown distraction, Rafael can be seen smirking as if she were reacting to this unknown distraction. Immediately prior to the collision occurring, Rafael can be seen looking down and only looked up just as the collision was about to occur. At this time it is unknown what Rafael was looking at.

The 2017 Volvo XC90 with Arizona license plate [REDACTED] was taken as evidence and impounded at the Tempe Police Department impound lot located at 1875 East Apache Blvd.

In order to complete a full and accurate reconstruction of the collision, it is requested that the detectives with the Tempe Police Department take the impounded 2017 Volvo XC90 from property impound and transport it back to the location of the collision. While at the location of the collision, the vehicle will be operated by officers on the roadway in order to conduct a visibility study, brake efficiency study and possibly other tests that would provide information that would be used in the collision reconstruction. Officers will also manipulate switches in the vehicle to operate functions in the vehicle that would assist with this investigation. Officers may also operate stock and aftermarket onboard computer systems.

Photographs of the interior and exterior of the 2017 Volvo XC90 will be taken at multiple times during the investigation to show the progress of the testing and also to document the condition of the vehicle.

Based on this information, your affiant is requesting a search warrant be issued in order to complete the specific testing requested above for the 2017 Volvo XC90 Arizona license plate [REDACTED] involved in this case for reconstruction purposes.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

03/Mar. 21. 2018 1:30PM

TEMPE POLICE

No. 9221 P. 5 03/01

Tempe Police Department
City of Tempe

NIGHTTIME SEARCH WARRANT:

The time is now _____ hours and the warrant must be served after 10:00 PM and before 6:30 AM because:

The evidence requested is of a perishable nature and a time delay would render it useless.

Based upon the preceding facts, I, Detective M. McCormick, your Affiant, request a nighttime search warrant be issued.

DAYTIME SEARCH WARRANT:

The evidence requested is of a perishable nature and a time delay would render it useless.

Based upon the preceding facts, I, Detective M. McCormick, your Affiant, request a daytime search warrant be issued.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the person(s), premises, and/or vehicle(s) described herein for the persons, property, and things herein described and that the same be retained in the custody of the Affiant or in the custody of the agency which Affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920.

Michael Nooche Serial No. 22020, Tempe Police Department
SIGNATURE OF AFFIANT

Subscribed and sworn before to me on March 21st 2018.

Melissa Zabor
SIGNATURE OF JUDGE OR MAGISTRATE
HONORABLE MELISSA ZABOR
of the COCA COUNTY SUPERIOR COURT Court



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

034 Mar. 21. 2018 1:30 PM 08586430

TEMPE POLICE

No. 9221 P.P. 6 00/01

Tempe Police Department
City of Tempe

SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

Warrant Number: SW 2018003020

Tempe Police Incident Report: 2018-32894

ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof by affidavit having been made this day to me by Tempe Police Officer Detective M. McCormick, I am satisfied that there is probable cause to believe that:

On the person(s) of:

On the premises known as:

Tempe Police Department
Property Facility
1875 East Apache Boulevard
Tempe, Arizona 85281

In the vehicle(s) described as:

Year	2017
Make	Volvo
Model	XC90
Style	2017
Color	Gray
License Plate State	Arizona
License Plate Number	[REDACTED]
Vehicle Identification Number	[REDACTED]
Registered Owner Name	UATC LLC
Registered Owner Address	[REDACTED]
Registered Owner City/State/Zip	[REDACTED]

In the City of Tempe, County of Maricopa, State of Arizona, there is now being processed or concealed certain persons, property, or things described as:

1. Year	2017
Make	Volvo
Model	XC90
Style	2017
Color	Gray
License Plate State	Arizona
License Plate Number	[REDACTED]
Vehicle Identification Number	[REDACTED]
Registered Owner Name	UATC LLC
Registered Owner Address	[REDACTED]
Registered Owner City/State/Zip	[REDACTED]

2. Occupy/move 2017 Volvo XC90 from Tempe PD impound at 1875 East Apache Blvd. to test location (location of collision)

3. Occupy/drive the 2017 Volvo XC90 in test area to conduct visibility study along with brake efficiency study and any other tests deemed necessary for collision reconstruction



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

03 Mar. 21. 2018 1:31 PM 008586498

TEMPE POLICE

No. 9221 IP. 7 0/0/

Tempe Police Department
City of Tempe

4. Manipulate switches in 2017 Volvo XC90 to operate functions in vehicle to include but not limited to head lights, brake lights, parking brakes and interior lights
5. Operate any onboard computer systems installed by the manufacturer or aftermarket components installed in vehicle.
6. Photographs and video of interior/exterior of vehicle at multiple points before, during and after testing

Which property or things:

- was stolen or embezzled.
- was used as means of committing a public offense.
- is being possessed with the intent to use as a means of committing a public offense.
- is in possession of to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that Rafael Stuart Vasquez has committed the offense.
- such person is the subject of an outstanding arrest warrant.

Such public offense being A.R.S. 13-1103A1/Vehicular Manslaughter, which occurred on or about the 18th day of March, 2018 in the County of Maricopa, State of Arizona.

YOU ARE THEREFORE COMMANDED:

- In the daytime (excluding the time period of between 10:00 PM and 6:30 AM),
- In the nighttime (good cause therefore having been shown).

to make a search of the above described person(s), premises, and/or vehicle(s), for the herein above described property or things, and if you find the same or any part thereof, to retain such in your custody or in the custody of the Tempe Police Department, as provided by A.R.S. 13-3920.

Execute this warrant within five calendar days from its issuance and return this warrant within three court business days after the warrant is executed, as directed by A.R.S. 13-3918.

Upon completion of all court actions or proceedings of any type which would necessitate the further use of the listed property; pursuant to ARS §13-3920 and/or ARS §13-3941, the property may be disposed of as authorized by law.

Given under my hand and dated this 21st day of March, 2018.

Time: _____ AM PM

Melissa Zabor
JUDGE FOR PROBATION
TABLE MELISSA ZABOR
Of _____ COUNTY SUPERIOR COURT
Court

WARRANT SERVICE

Warrant Served: Date: _____ Time: _____ AM PM

Reason for non-service: _____

- Receipt for property taken:
- Event and crash data recording devices and equipment from the listed vehicle.
 - Event and crash data download from listed vehicle.
 - See attached property form(s).



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Tempe Police Department
City of Tempe

STANDARD ARIZONA INVENTORY AFFIDAVIT & RETURN OF SEARCH WARRANT

Warrant Number: SW2018003020

Tempe Police Incident Report: 2018-32694

I, Detective M. McCormick, 22020, a peace officer of the State of Arizona, being duly sworn upon oath depose and say, that on the 22nd day of March, 2018, I executed this search warrant, SW2018003020, issued by Judge Melissa Zabor, and the following described property or substance was seized:

- Event and crash data recording devices and equipment from the listed vehicle.
- Event and crash data download from listed vehicle.
- See attached property form(s).

I further certify that the foregoing inventory is a true and detailed account of all property taken by me, pursuant to A.R.S. 13-3921 and that a detailed receipt for the property taken was:

- Reviewed with the suspect and then left in the suspect's property locker at the jail or the location the property was seized.
- Given to the suspect.
- Other: Left in 2017 Volvo XC90

This warrant was returned subscribed and sworn before me this 23 day of March, 2018

M. McCormick
AFFIANT

Melissa Zabor
JUDGE OR MAGISTRATE

Of the _____ Court

HONORABLE MELISSA ZABOR
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Page <u>1</u> Of <u>1</u>		Search Warrant/Firearms Seizure/Property Record				Number: <u>2018-32694</u>		
Item Type: <u>Impounded</u>	Evidence Found: <u>Stolen</u>	Item No. <u>1</u>	Property Type: <u>Choose Only 1</u>	Clothing-C Consumable-1	Currency-A Firearm-G	Household-H Jewelry-B	Livestock-J Miscellaneous-K	Office Equipment-E TV/Radio-F
Brand: <u>---</u>		Description: <u>Moved 2017 Volvo XC90 from impound to 705 Location - Reversed Impound</u>						
Serial No. <u>---</u>	Model <u>---</u>	Owner Applied No. <u>---</u>	Date Stolen <u>---</u>	Date Reported <u>---</u>	Date Recovered <u>---</u>			
Dispo. Code: <u>60</u>	Property Location: <u>---</u>	Bike - N Bike - S	Locker - N Locker - S	Prop. RM-P Other	Locker No. <u>---</u>	Value Stolen <u>---</u>	Value Recovered <u>---</u>	Date Released <u>---</u>
Property Tag # <u>---</u>	Evidence? Yes <u>---</u> No <u>---</u>	Owner/Possessor Name <u>---</u>			Owner/Possessor Address <u>---</u>			
City <u>---</u>	State <u>---</u>	Zip Code <u>---</u>	Location Removed From <u>1875 E Apache Blvd Tempe - Reversed</u>					
Indicate Date Item Is Placed into Property: <u>---</u>			Indicate Time Item Is Placed into Property: <u>---</u>			Officer's Name/Serial # <u>M. McCormick 2274</u>		
Item Type: <u>Impounded</u>	Evidence Found: <u>Stolen</u>	Item No. <u>2</u>	Property Type: <u>Choose Only 1</u>	Clothing-C Consumable-1	Currency-A Firearm-G	Household-H Jewelry-B	Livestock-J Miscellaneous-K	Office Equipment-E TV/Radio-F
Brand: <u>---</u>		Description: <u>Collected requested information/data/photos/video from TFEING</u>						
Serial No. <u>---</u>	Model <u>---</u>	Owner Applied No. <u>---</u>	Date Stolen <u>---</u>	Date Reported <u>---</u>	Date Recovered <u>---</u>			
Dispo. Code: <u>60</u>	Property Location: <u>---</u>	Bike - N Bike - S	Locker - N Locker - S	Prop. RM-P Other	Locker No. <u>---</u>	Value Stolen <u>---</u>	Value Recovered <u>---</u>	Date Released <u>---</u>
Property Tag # <u>---</u>	Evidence? Yes <u>---</u> No <u>---</u>	Owner/Possessor Name <u>---</u>			Owner/Possessor Address <u>---</u>			
City <u>---</u>	State <u>---</u>	Zip Code <u>---</u>	Location Removed From <u>---</u>					
Indicate Date Item Is Placed into Property: <u>---</u>			Indicate Time Item Is Placed into Property: <u>---</u>			Officer's Name/Serial # <u>M. McCormick 2274</u>		
Item Type: <u>Impounded</u>	Evidence Found: <u>Stolen</u>	Item No. <u>---</u>	Property Type: <u>Choose Only 1</u>	Clothing-C Consumable-1	Currency-A Firearm-G	Household-H Jewelry-B	Livestock-J Miscellaneous-K	Office Equipment-E TV/Radio-F
Brand: <u>---</u>		Description: <u>---</u>						
Serial No. <u>---</u>	Model <u>---</u>	Owner Applied No. <u>---</u>	Date Stolen <u>---</u>	Date Reported <u>---</u>	Date Recovered <u>---</u>			
Dispo. Code: <u>60</u>	Property Location: <u>---</u>	Bike - N Bike - S	Locker - N Locker - S	Prop. RM-P Other	Locker No. <u>---</u>	Value Stolen <u>---</u>	Value Recovered <u>---</u>	Date Released <u>---</u>
Property Tag # <u>---</u>	Evidence? Yes <u>---</u> No <u>---</u>	Owner/Possessor Name <u>---</u>			Owner/Possessor Address <u>---</u>			
City <u>---</u>	State <u>---</u>	Zip Code <u>---</u>	Location Removed From <u>---</u>					
Indicate Date Item Is Placed into Property: <u>---</u>			Indicate Time Item Is Placed into Property: <u>---</u>			Officer's Name/Serial # <u>M. McCormick 2274</u>		
Item Type: <u>Impounded</u>	Evidence Found: <u>Stolen</u>	Item No. <u>---</u>	Property Type: <u>Choose Only 1</u>	Clothing-C Consumable-1	Currency-A Firearm-G	Household-H Jewelry-B	Livestock-J Miscellaneous-K	Office Equipment-E TV/Radio-F
Brand: <u>---</u>		Description: <u>---</u>						
Serial No. <u>---</u>	Model <u>---</u>	Owner Applied No. <u>---</u>	Date Stolen <u>---</u>	Date Reported <u>---</u>	Date Recovered <u>---</u>			
Dispo. Code: <u>60</u>	Property Location: <u>---</u>	Bike - N Bike - S	Locker - N Locker - S	Prop. RM-P Other	Locker No. <u>---</u>	Value Stolen <u>---</u>	Value Recovered <u>---</u>	Date Released <u>---</u>
Property Tag # <u>---</u>	Evidence? Yes <u>---</u> No <u>---</u>	Owner/Possessor Name <u>---</u>			Owner/Possessor Address <u>---</u>			
City <u>---</u>	State <u>---</u>	Zip Code <u>---</u>	Location Removed From <u>---</u>					
Indicate Date Item Is Placed into Property: <u>---</u>			Indicate Time Item Is Placed into Property: <u>---</u>			Officer's Name/Serial # <u>---</u>		



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Court Order

Description: SEARCH WARRANT #SW2018-003079

Mar. 22. 2018 2:04PM

No. 9459 P. 2

2018-32694



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

SEARCH WARRANT
COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT# SW2018-003079
REPORT# 2018-32694

ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof by affidavit having been made this day to me by: Detective M. McCormick, 22020

I am satisfied that there is probable cause to believe that:

on the premises known as:

Google Incorporated 1600 Amphitheatre Parkway.

in the City of Mountain View, County of Santa Clara, State of California, there is now being possessed or concealed certain persons, property, or things described as:

Fruits and evidence of the crimes of: Vehicular Manslaughter

- Any and all video viewing history through the use of YouTube application for the account associated with [REDACTED] on 03/18/18 from 2100 hours to 2300 hours (Mountain Standard Time)

Which property or things:

- were stolen or embezzled.
- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of [REDACTED] to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that Rafael Stuart Vasquez, has committed the offense.
- such person is the subject of an outstanding arrest warrant.

Such public offense of the Arizona Revised Statute Title 13 A.R.S. sections 13-1103A1, Vehicular Manslaughter, which occurred on March 18, 2018 and the cell phones containing the artifacts were located in Tempe, Maricopa County, located within the State of Arizona.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22. 2018 2:04PM

No. 9459 P. 3

YOU ARE THEREFORE COMMANDED

2018-32694

- in the daytime (excluding the time period of between 10:00 P.M. and 6:30 A.M.)
- Or nighttime (good cause therefore having been shown)

to make a search of the above named or described person(s), premises, vehicles for the herein above described property or things, and if you find the same or any part thereof, to retain such in your custody or in the custody of in the custody of the Tempe Police Department, as provided by A.R.S. 13-3920 and/or 18 U.S. Code § 2703(b).

Google/Gmail shall disclose responsive data, if any, by sending to Detective M. McCormick at the Tempe Police Department, 120 East 5th Street, Tempe 85281, using the US Postal Service or another courier service, notwithstanding 18 U.S. Code § 2252(a) or similar statute or code.

Return this warrant to me within three (3) days of the thereof, as directed by A.R.S. 13-3918.

Given under my hand and dated this 22nd day of March 2018.

Commissioner
Superior Court
Maricopa County Arizona

HONORABLE MELISSA ZABOR
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22, 2018 2:04PM

No. 9459 P. 4

2018-32694



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

AFFIDAVIT FOR SEARCH WARRANT COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT# SW2018 003079
REPORT# 2018-32694

YOUR AFFIANT(S) Detective M. McCormick, 22020

A peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on March 18th, 2018, in the County of Maricopa, State of Arizona, the crime of 13-1103A1, Vehicular Manslaughter, was committed by Rafael Stuart Vasquez.

THAT THE AFFIANT has probable cause to believe that

on the premises known as:

Google Incorporated 1600 Amphitheatre Parkway

in the City of Mountain View, County of Santa Clara, State of California, there is now being possessed or concealed certain persons, property, or which:

- were stolen or embezzled.
- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of _____ to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that Rafael Stuart Vasquez has committed the offense.
- such person is the subject of an outstanding arrest warrant.

That said property or things are described as follows:

Fruits and evidence of the crimes of: Vehicular Manslaughter

- Any and all video viewing history through the use of YouTube application for the account associated with _____ on 03/18/18 from 2100 hours to 2300 hours (Mountain Standard Time)



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22, 2018 2:05PM

No. 9459 P. 5

2018-32694
That the following facts establish probable cause for believing that grounds for the issuance of a search warrant for the aforementioned items exists:

Your affiant, Detective M. McCormick, #22020, has been a police officer with the City of Tempe since October of 2012. During my time with the Tempe Police Department I served as a uniformed patrol officer, a DUI Enforcement Officer, Daytime Collision Investigating Motor and I have been assigned as a detective with the Vehicular Crimes Unit since October of 2016. As a detective with the Vehicular Crimes Unit, I investigate serious injury and fatal collisions and complete collision reconstructions on those events. I have attended numerous collision investigation and reconstruction courses to assist me with these investigations.

Prior to being a police officer with the Tempe Police Department, I was a police officer with the Yuma Police Department for seven years. At the Yuma Police Department, I held the position of Patrol Officer and then DUI Enforcement Officer for two years where one of my duties was to respond to serious injury and fatal collisions to either assist or act as the lead investigator. I was also assigned to the position of Property Crimes Detective where I acted as lead investigator on crimes from Burglary, Theft and Shoplifting and assisted with many other types of investigations.

Based on information your affiant has learned from Detective Haubold of the Tempe Police Department's Vehicular Crimes Unit and from my own investigation, it is believed the crime of Vehicular Manslaughter (ARS 13-1103A1) may have been committed and evidence that can be obtained the video viewing history through the use of the YouTube application for the account associated with [REDACTED] will be helpful in completing this investigation.

On 03/18/18 at approximately 2200 hours an Uber Volvo XC90 with Arizona license plate [REDACTED] driving in autonomous mode was traveling north on Mill Avenue approaching Washington Street, Tempe, AZ when it collided with a person crossing from the west side of Mill Avenue to the east side of Mill Avenue south of Washington Street. The pedestrian was pronounced deceased at approximately 2230 hours from injuries caused during this collision. During an interview with Rafael, she indicated her hands were off the steering wheel and her feet were off of the accelerator/decelerator pedals during the collision.

Video footage from a dashboard camera was obtained, which showed footage of the collision looking forward from the vehicle's cabin and a view of the driver. Prior to the collision, Rafael can be seen looking down multiple times inside of the vehicle's cabin. While looking down at this unknown distraction, Rafael can be seen smirking as if she were reacting to this unknown distraction. Immediately prior to the collision occurring, Rafael can be seen looking down and only looked up just as the collision was about to occur. At this time it is unknown what Rafael was looking at.

The 2017 Volvo XC90 with Arizona license plate [REDACTED] was taken as evidence and impounded at the Tempe Police Department impound lot located at 1875 East Apache Blvd.

At the time of the collision, Rafael was in possession of two cell phones. These cell phones were obtained from Rafael pursuant to a search warrant after the collision occurred. A search warrant was also served on these cell phones and information gained during that search warrant is being used as the basis of this warrant.

The first cell phone is a silver LG model LGMP450 S/N: [REDACTED] which is assigned a telephone number of [REDACTED], item number TE321768-3. On this cell phone three video applications were found installed. The YouTube application was associated to gmail account [REDACTED]. A total of forty four notifications were found for the YouTube application indicating activity on this application.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22. 2018 2:05PM

No. 9459 P. 6

2018-32694

The video application, Netflix, was also found installed on the LG LGMP450 as well. The gmail account [REDACTED] is associated with this Netflix application. Hulu was also found installed on this cell phone, but detectives were unable to locate any account information for that application.

The second cell phone taken from Rafael was a black LG model LGMS550 S/N [REDACTED] which is assigned a telephone number of [REDACTED], item number TE321768-4. On this cell phone only the YouTube video application was installed. The YouTube application was associated with gmail account [REDACTED] which is the same account as the other cell phone obtained from Rafael.

Based on the above facts, your Affiant requests any and all video viewing history through the use of the YouTube application for the account associated with [REDACTED] on 03/18/18 from 2100 hours to 2300 hours (Mountain Standard Time) to assist with determining what Rafael was viewing while driving the vehicle at the time of the collision.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the persons, premises, buildings, and vehicles described herein for the persons, property and things herein described, and that the same be retained in the custody of the affiant or in the custody of the agency which the affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the persons, premises, buildings, and vehicles described herein for the persons, property and things herein described, and that the same be retained in the custody of the affiant or in the custody of the agency which the affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920 and/or 18 U.S. Code § 2703(b).

Nicholas McCormick

Detective M. McCormick #22020
Tempe Police Department

SUBSCRIBED AND SWORN to before me this 22nd day of March, 2018.

Melissa Zabor

Commissioner
Superior Court
Maricopa County Arizona

HONORABLE MELISSA ZABOR
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

2018-32694

RETURN OF SEARCH WARRANT

I certify that on the **23rd of March, 2018**, I executed search warrant #2018-003079, reference Tempe PD GO# 2018-32694, issued by Judge Melissa Zabor, by sending it to Google, Inc. via their electronic system. At the time of this return, no response to the Search Warrant has been received yet from Google, Inc.

Items/Descriptions

_____ Digital Service to Google, Inc. _____

I further certify that I gave a detailed receipt for the property taken to:

OR

I further certify that I sent Google, Inc. a digital copy of Search Warrant 2018-003079:

Dated this **19th** day of **January, 2018**.

Michael M. McCormick

 Detective M. McCormick, 22020
 Tempe Police Department

VERIFICATION OF RETURN SWORN TO AND SUBSCRIBED TO BEFORE ME THIS **23rd** DAY OF **March, 2018**.

Melissa Zabor

Commissioner
Superior Court
Maricopa County Arizona

HONORABLE MELISSA ZABOR
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Court Order

Description: SEARCH WARRANT #SW2018-003080

Mar. 22. 2018 2:07PM

No. 9459 P. 12

2018-32694



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

SEARCH WARRANT
COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT# SW2018-003080
REPORT# 2018-32694

ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof by affidavit having been made this day to me by: Detective M. McCormick, 22020

I am satisfied that there is probable cause to believe that:

on the premises known as:

Hulu, LLC 2500 Broadway, 2nd Floor.

in the City of Santa Monica, County of Los Angeles, State of California, there is now being possessed or concealed certain persons, property, or things described as:

Fruits and evidence of the crimes of: **vehicular Manslaughter**

- Any and all video viewing history through the use of the Hulu application on 03/18/18 from 2100 hours to 2300 hours (Mountain Standard Time) for the account associated with a cell phone identified as an LG LGMP450 S/N: [REDACTED] that could be associated to email address [REDACTED]

Which property or things:

- were stolen or embezzled.
- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of [REDACTED] to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that **Rafael Stuart Vasquez**, has committed the offense.
- such person is the subject of an outstanding arrest warrant.

Such public offense of the Arizona Revised Statute Title 13 A.R.S. sections 13-1103A1, **Vehicular Manslaughter**, which occurred on March 18, 2018 and the cell phones containing the artifacts were located in Tempe, Maricopa County, located within the State of Arizona.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22. 2018 - 2:08PM

No. 9459 P. 13

2018-32694

YOU ARE THEREFORE COMMANDED

- in the daytime (excluding the time period of between 10:00 P.M. and 6:30 A.M.)
- Or nighttime (good cause therefore having been shown)

to make a search of the above named or described person(s), premises, vehicles for the herein above described property or things, and if you find the same or any part thereof, to retain such in your custody or in the custody or in the custody of the Tempe Police Department, as provided by A.R.S. 13-3920 and/or 18 U.S. Code § 2703(b).

Hulu Inc. shall disclose responsive data, if any, by sending to Detective M. McCormick at the Tempe Police Department, 120 East 5th Street, Tempe 85281, using the US Postal Service or another courier service, notwithstanding 18 U.S. Code § 2252(a) or similar statute or code.

Return this warrant to me within three (3) days of the thereof, as directed by A.R.S. 13-3918.

Given under my hand and dated this 22nd day of March 2018.

Commissioner
Superior Court
Maricopa County Arizona

HONORABLE MELISSA ZABOR
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22. 2018 - 2:08PM

No. 9459 P. 14

2018-32694



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

AFFIDAVIT FOR SEARCH WARRANT
COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT# *SW 2018-003080*
REPORT# 2018-32694

YOUR AFFLIANT(S) *Detective M. McCormick, 22020*

A peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on March 18th, 2018, in the County of Maricopa, State of Arizona, the crime of 13-1103A1, Vehicular Manslaughter, was committed by Rafael Stuart Vasquez.

THAT THE AFFLIANT has probable cause to believe that

on the premises known as:

Hulu, LLC 2500 Broadway, 2nd Floor.

in the City of Santa Monica, County of Los Angeles, State of California, there is now being possessed or concealed certain persons, property, or which:

- were stolen or embezzled.
- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of _____ to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that *Rafael Stuart Vasquez* has committed the offense.
- such person is the subject of an outstanding arrest warrant.

That said property or things are described as follows:

Fruits and evidence of the crimes of: **Vehicular Manslaughter**

- Any and all video viewing history through the use of the Hulu application on 03/18/18 from 2100 hours to 2300 hours (Mountain Standard Time) for the account associated with a cell phone identified as an LG LGMP450 S/N: _____ that could be associated to email address _____.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22. 2018 2:08PM

No. 9459 P. 15

2018-32694

That the following facts establish probable cause for believing that grounds for the issuance of a search warrant for the aforementioned items exists:

Your affiant, Detective M. McCormick, #22020, has been a police officer with the City of Tempe since October of 2012. During my time with the Tempe Police Department I served as a uniformed patrol officer, a DUI Enforcement Officer, Daytime Collision Investigating Motor and I have been assigned as a detective with the Vehicular Crimes Unit since October of 2016. As a detective with the Vehicular Crimes Unit, I investigate serious injury and fatal collisions and complete collision reconstructions on those events. I have attended numerous collision investigation and reconstruction courses to assist me with these investigations.

Prior to being a police officer with the Tempe Police Department, I was a police officer with the Yuma Police Department for seven years. At the Yuma Police Department, I held the position of Patrol Officer and then DUI Enforcement Officer for two years where one of my duties was to respond to serious injury and fatal collisions to either assist or act as the lead investigator. I was also assigned to the position of Property Crimes Detective where I acted as lead investigator on crimes from Burglary, Theft and Shoplifting and assisted with many other types of investigations.

Based on information your affiant has learned from Detective Haubold of the Tempe Police Department's Vehicular Crimes Unit and from my own investigation, it is believed the crime of Vehicular Manslaughter (ARS 13-1103A1) may have been committed and evidence that can be obtained the video viewing history through the use of the Hulu application for the account associated with a cell phone identified as an LG LGMP450 S/N: [REDACTED] that could be associated to email address [REDACTED] will be helpful in completing this investigation.

On 03/18/18 at approximately 2200 hours an Uber Volvo XC90 with Arizona license plate [REDACTED] driving in autonomous mode was travelling north on Mill Avenue approaching Washington Street, Tempe, AZ when it collided with a person crossing from the west side of Mill Avenue to the east side of Mill Avenue south of Washington Street. The pedestrian was pronounced deceased at approximately 2230 hours from injuries caused during this collision. During an interview with Rafael, she indicated her hands were off the steering wheel and her feet were off of the accelerator/decelerator pedals during the collision.

Video footage from a dashboard camera was obtained, which showed footage of the collision looking forward from the vehicle's cabin and a view of the driver. Prior to the collision, Rafael can be seen looking down multiple times inside of the vehicle's cabin. While looking down at this unknown distraction, Rafael can be seen smirking as if she were reacting to this unknown distraction. Immediately prior to the collision occurring, Rafael can be seen looking down and only looked up just as the collision was about to occur. At this time it is unknown what Rafael was looking at.

The 2017 Volvo XC90 with Arizona license plate [REDACTED] was taken as evidence and impounded at the Tempe Police Department Impound lot located at 1875 East Apache Blvd.

At the time of the collision, Rafael was in possession of two cell phones. These cell phones were obtained from Rafael pursuant to a search warrant after the collision occurred. A search warrant was also served on these cell phones and information gained during that search warrant is being used as the basis of this warrant.

The first cell phone is a silver LG model LGMP450 S/N: [REDACTED] which is assigned a telephone number of [REDACTED], item number TE321768-3. On this cell phone three video applications were found



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22. 2018 ~ 2:09PM

No. 9459 P. 16

2018-32694
installed. The YouTube application was associated to gmail account [REDACTED]. A total of forty four notifications were found for the YouTube application indicating activity on this application.

The video application, Netflix, was also found installed on the LG LGMP450 as well. The gmail account [REDACTED] is associated with this Netflix application. Hulu was also found installed on this cell phone, but detectives were unable to locate any account information for that application.

The second cell phone taken from Rafael was a black LG model LGMS550 S/N: [REDACTED] which is assigned a telephone number of [REDACTED], item number TE321768-4. On this cell phone only the YouTube video application was installed. The YouTube application was associated with gmail account [REDACTED], which is the same account as the other cell phone obtained from Rafael.

Based on the above facts, your Affiant requests any and all video viewing history through the use of the Hulu application for the account associated with a cell phone identified as an LG LGMP450 S/N: [REDACTED] that could be associated to email address [REDACTED], on 03/18/18 from 2100 hours to 2300 hours (Mountain Standard Time) to assist with determining what Rafael was viewing while driving the vehicle at the time of the collision.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the persons, premises, buildings, and vehicles described herein for the persons, property and things herein described, and that the same be retained in the custody of the affiant or in the custody of the agency which the affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the persons, premises, buildings, and vehicles described herein for the persons, property and things herein described, and that the same be retained in the custody of the affiant or in the custody of the agency which the affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920 and/or 18 U.S. Code § 2703(b).

Michael McCormick
Detective M. McCormick #22020
Tempe Police Department

SUBSCRIBED AND SWORN to before me this 22nd day of March, 2018.

Melissa Zabor
Commissioner
Superior Court
Maricopa County Arizona

HONORABLE MELISSA ZABOR
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

2018-32694

RETURN OF SEARCH WARRANT

I certify that on the **22nd of March, 2018**, I executed search warrant #2018-003080, reference Tempe PD GO# 2018-32694, issued by Judge Melissa Zabor, by sending it to Hulu, Inc. via certified mail. At the time of this return, no response to the Search Warrant has been received yet from Hulu, Inc.

Items/Descriptions

_____ Copy of Warrant mailed to Hulu, Inc. at company's request _____

I further certify that I gave a detailed receipt for the property taken to:

OR

I further certify that I sent Hulu, Inc. a copy of Search Warrant 2018-003080:

Dated this **23rd** day of **March, 2018**.

M. McCormick
 Detective M. McCormick, 22020
 Tempe Police Department

VERIFICATION OF RETURN SWORN TO AND SUBSCRIBED TO BEFORE ME THIS **23rd** DAY OF **March, 2018**.

Melissa Zabor
 Commissioner
 Superior Court
 Maricopa County Arizona

HONORABLE MELISSA ZABOR
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Court Order

Description: SEARCH WARRANT #SW2018-003081

03/22/2018 2:05 PM

TEMPE POLICE

No. 9459 P. 7

2018-32694



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

SEARCH WARRANT
COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT# SW2018-003081
REPORT# 2018-32694

ANY PEACE OFFICER IN THE STATE OF ARIZONA:

Proof by affidavit having been made this day to me by: Detective M. McCormick, 22020

I am satisfied that there is probable cause to believe that:

on the premises known as:

Netflix, Inc. 100 Winchester Circle.

in the City of Los Gatos, County of Santa Clara, State of California, there is now being possessed or concealed certain persons, property, or things described as:

Fruits and evidence of the crimes of: Vehicular Manslaughter

- Any and all video viewing history through the use of Netflix application on 03/18/18 from 2100 hours to 2300 hours (Mountain Standard Time) for the account associated with [REDACTED].

Which property or things:

- were stolen or embezzled.
- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of _____ to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that Rafael Stuart Vasquez, has committed the offense.
- such person is the subject of an outstanding arrest warrant.

Such public offense of the Arizona Revised Statute Title 13 A.R.S. sections 13-1103A1, Vehicular Manslaughter, which occurred on March 18, 2018 and the cell phones containing the artifacts were located in Tempe, Maricopa County, located within the State of Arizona.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22. 2018 2:06PM

No. 9459 P. 8

2018-32694

YOU ARE THEREFORE COMMANDED

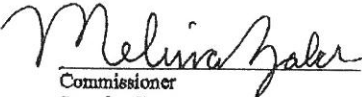
- In the daytime (excluding the time period of between 10:00 P.M. and 6:30 A.M.)
- Or nighttime (good cause therefore having been shown)

to make a search of the above named or described person(s), premises, vehicles for the herein above described property or things, and if you find the same or any part thereof, to retain such in your custody or in the custody or in the custody of the Tempe Police Department, as provided by A.R.S. 13-3920 and/or 18 U.S. Code § 2703(b).

Netflix Inc. shall disclose responsive data, if any, by sending to Detective M. McCormick at the Tempe Police Department, 120 East 5th Street, Tempe 85281, using the US Postal Service or another courier service, notwithstanding 18 U.S. Code § 2252(a) or similar statute or code.

Return this warrant to me within three (3) days of the thereof, as directed by A.R.S. 13-3918.

Given under my hand and dated this 22nd day of March 2018.


 Commissioner
 Superior Court
 Maricopa County Arizona

HONORABLE MELISSA ZABOR
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22. 2018 2:06PM

No. 9459 P. 9

2018-32694



POLICE DEPARTMENT
CITY OF TEMPE, ARIZONA

AFFIDAVIT FOR SEARCH WARRANT
COUNTY OF MARICOPA, STATE OF ARIZONA

WARRANT# SW2018-003081
REPORT# 2018-32694

YOUR AFFIANT(S) **Detective M. McCormick, 22020**

A peace officer in the State of Arizona, being first duly sworn, upon oath, deposes and says: That on March 18th, 2018, in the County of Maricopa, State of Arizona, the crime of 13-1103A1, **Vehicular Manslaughter**, was committed by **Rafael Stuart Vasquez**.

THAT THE AFFIANT has probable cause to believe that

on the premises known as:

Netflix, Inc. 100 Winchester Circle.

in the City of Los Gatos, County of Santa Clara, State of California, there is now being possessed or concealed certain persons, property, or which:

- were stolen or embezzled.
- were used as means of committing a public offense.
- is (are) being possessed with the intent to use as a means of committing a public offense.
- is (are) in possession of _____ to whom it is delivered for the purpose of concealing it or preventing it from being discovered.
- constitutes evidence tending to show that a public offense has been committed, or tending to show that **Rafael Stuart Vasquez** has committed the offense.
- such person is the subject of an outstanding arrest warrant.

That said property or things are described as follows:

Fruits and evidence of the crimes of: **Vehicular Manslaughter**

- Any and all video viewing history through the use of Netflix application on 03/18/18 from 2100 hours to 2300 hours (Mountain Standard Time) for the account associated with _____.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22. 2018 - 2:06PM

No. 9459 P. 10

2018-32694

That the following facts establish probable cause for believing that grounds for the issuance of a search warrant for the aforementioned items exists:

Your affiant, Detective M. McCormick, #22020, has been a police officer with the City of Tempe since October of 2012. During my time with the Tempe Police Department I served as a uniformed patrol officer, a DUI Enforcement Officer, Daytime Collision Investigating Motor and I have been assigned as a detective with the Vehicular Crimes Unit since October of 2016. As a detective with the Vehicular Crimes Unit, I investigate serious injury and fatal collisions and complete collision reconstructions on those events. I have attended numerous collision investigation and reconstruction courses to assist me with these investigations.

Prior to being a police officer with the Tempe Police Department, I was a police officer with the Yuma Police Department for seven years. At the Yuma Police Department, I held the position of Patrol Officer and then DUI Enforcement Officer for two years where one of my duties was to respond to serious injury and fatal collisions to either assist or act as the lead investigator. I was also assigned to the position of Property Crimes Detective where I acted as lead investigator on crimes from Burglary, Theft and Shoplifting and assisted with many other types of investigations.

Based on information your affiant has learned from Detective Haubold of the Tempe Police Department's Vehicular Crimes Unit and from my own investigation, it is believed the crime of Vehicular Manslaughter (ARS 13-1103A1) may have been committed and evidence that can be obtained from the video viewing history through the use of the Netflix application associated with account [REDACTED] will be helpful in completing this investigation.

On 03/18/18 at approximately 2200 hours an Uber Volvo XC90 with Arizona license plate [REDACTED] driving in autonomous mode was traveling north on Mill Avenue approaching Washington Street, Tempe, AZ when it collided with a person crossing from the west side of Mill Avenue to the east side of Mill Avenue south of Washington Street. The pedestrian was pronounced deceased at approximately 2230 hours from injuries caused during this collision. During an interview with Rafael, she indicated her hands were off the steering wheel and her feet were off of the accelerator/decelerator pedals during the collision.

Video footage from a dashboard camera was obtained, which showed footage of the collision looking forward from the vehicle's cabin and a view of the driver. Prior to the collision, Rafael can be seen looking down multiple times inside of the vehicle's cabin. While looking down at this unknown distraction, Rafael can be seen smirking as if she were reacting to this unknown distraction. Immediately prior to the collision occurring, Rafael can be seen looking down and only looked up just as the collision was about to occur. At this time it is unknown what Rafael was looking at.

The 2017 Volvo XC90 with Arizona license plate [REDACTED] was taken as evidence and impounded at the Tempe Police Department impound lot located at 1875 East Apache Blvd.

At the time of the collision, Rafael was in possession of two cell phones. These cell phones were obtained from Rafael pursuant to a search warrant after the collision occurred. A search warrant was also served on these cell phones and information gained during that search warrant is being used as the basis of this warrant.

The first cell phone is a silver LG model LGMP450 S/N: [REDACTED] which is assigned a telephone number of [REDACTED], item number TE321768-3. On this cell phone three video applications were found



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Mar. 22. 2018 2:07PM

No. 9459 P. 11

installed. The YouTube application was associated to gmail account [REDACTED]. A total of forty four notifications were found for the YouTube application indicating activity on this application. 2018-32694

The video application, Netflix, was also found installed on the LG LGMP450 as well. The gmail account [REDACTED] is associated with this Netflix application. Hulu was also found installed on this cell phone, but detectives were unable to locate any account information for that application.

The second cell phone taken from Rafael was a black LG model LGMS550 S/N: [REDACTED] which is assigned a telephone number of [REDACTED], item number TE321768-4. On this cell phone only the YouTube video application was installed. The YouTube application was associated with gmail account [REDACTED], which is the same account as the other cell phone obtained from Rafael.

Based on the above facts, your Affiant requests any and all video viewing history through the use of the Netflix application for the account associated with [REDACTED] on 03/18/18 from 2100 hours to 2300 hours (Mountain Standard Time) to assist with determining what Rafael was viewing while driving the vehicle at the time of the collision.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the persons, premises, buildings, and vehicles described herein for the persons, property and things herein described, and that the same be retained in the custody of the affiant or in the custody of the agency which the affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920.

Wherefore affiant prays that a search warrant be issued commanding that an immediate search be made of the persons, premises, buildings, and vehicles described herein for the persons, property and things herein described, and that the same be retained in the custody of the affiant or in the custody of the agency which the affiant represents and disposed of according to law, pursuant to A.R.S. 13-3920 and/or 18.U.S. Code § 2703(b).

Michael McCormick
Detective M. McCormick #22020
Tempe Police Department

SUBSCRIBED AND SWORN to before me this 22nd day of March, 2018

Melissa Zabor
Commissioner
Superior Court
Maricopa County Arizona

HONORABLE MELISSA ZABOR
MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

2018-32694

RETURN OF SEARCH WARRANT

I certify that on the **22nd of March, 2018**, I executed search warrant #2018-003081, reference Tempe PD GO# 2018-32694, issued by Judge Melissa Zabor, by sending it to Netflix, Inc. via certified mail. At the time of this return, no response to the Search Warrant has been received yet from Netflix, Inc.

Items/Descriptions

_____ Copy of warrant mailed to Netflix Inc. at company's request _____

I further certify that I gave a detailed receipt for the property taken to:

OR

I further certify that I sent Netflix, Inc. a copy of Search Warrant 2018-003081:

Dated this **23rd** day of **March, 2018**.

Melissa Uey
 Detective M. McCormick #22020
 Tempe Police Department

VERIFICATION OF RETURN SWORN TO AND SUBSCRIBED TO BEFORE ME THIS **23rd** DAY OF **March 2018**.



Commissioner
 Superior Court
 Maricopa County Arizona

HONORABLE MELISSA ZABOR
 MARICOPA COUNTY SUPERIOR COURT



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Report Image(s)

Type: Court Order

Description: HULU MAY 2018 AMMENDED RESPONSE RE WARRANT SERVED

McCormick, Michael

From: legal <legal@hulu.com>
Sent: Thursday, May 31, 2018 5:45 PM
To: legal; McCormick, Michael
Subject: RE: Questions Regarding Warrant Served
Attachments: 2018 May - Tempe Subpoena - McCormick - Amended Response.pdf

Detective McCormick,

Please see the attached amended response. Hulu responds to your questions as follows:

1. In the search warrant I asked for the times to be shown in Mountain Standard Time to only clear up any confusion when reading the document. In doing a little research it appears California switched from Pacific Standard Time to Pacific Daylight Time on 03/11/18, which would mean that the time in California on 03/18/18 (PDT) was the same as the time in Arizona (MST). Can you confirm this is the case or was the time deliberately listed as Pacific Standard Time making the time one hour later than PDT?

Hulu has attached an amended viewing history chart. [Per my earlier email, please disregard the chart served with Hulu's original response.](#) The times reflected on the amended chart are in PDT/MST (UTC -7).

2. Can you advise how accurate the times are that were listed? Is there a variance in the times listed or any error that is known of? What I am looking for here is if the time Hulu uses on the document could be off at all and if so how far can it be off?

The most accurate way to measure playback times is to look at player "heartbeats". Heartbeats are sent every thirty seconds. Hulu records the time it receives each heartbeat. Included within the heartbeat is a measure called "playback_duration", which records how much of the selected content was played since the last heartbeat. If the player is playing consistently between heartbeats (i.e. no pauses or errors), the playback_duration should be approximately the same as the time between heartbeats, i.e. approximately thirty seconds.

The attached chart reflects the heartbeat data for the relevant user during the relevant time frame. The user played one episode of the Voice on March 18, 2018 between 21:16:45 and approximately 21:59:00. There were instances in which heartbeats were not sent every 29-30 seconds (e.g. between 21:37:33-21:40:23). The delay in heartbeats could have been caused by any one of a number of circumstances including, but not limited to, the user pausing the player, the user switching to a different app, a buffering issue, or the phone losing service.

3. Do you know if a person is watching Hulu on their cell phone and they lock their phone will the system continue to show that it is streaming or will the time end at that point and create a new start time when the episode continues to play when re-started?

Hulu does not track when a user's phone is locked or unlocked. If the phone is locked, the phone will no longer send heartbeats and several other events may be triggered. However the termination of heartbeats and the other events may be the result of other circumstances beyond locking, e.g. the user switching to another application.



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

From: legal
Sent: Thursday, May 17, 2018 5:41 PM
To: 'Michael_Mccormick@tempe.gov' <Michael_Mccormick@tempe.gov>
Subject: RE: Questions Regarding Warrant Served

Detective McCormick,

We received your email below and are gathering answers to your questions.

In reviewing the previous response, we determined that we may have inadvertently included data relating to another user. **Please disregard the previous response. We will serve an amended response with the correct data.**

-Hulu Legal

From: McCormick, Michael [mailto:Michael_Mccormick@tempe.gov]
Sent: Thursday, May 10, 2018 4:33 PM
To: legal <legal@hulu.com>
Subject: Questions Regarding Warrant Served

Hello, my name is Detective Michael McCormick, #22020, with the Tempe Police Department in Tempe, Arizona. I served Hulu with a search warrant via certified mail, which you received on 03/26/18. I did receive a response regarding this search warrant on 05/07/18. I have scanned and attached the documents Hulu sent me regarding my search warrant. I would like to thank you for your quick response in providing me with those documents.

Although the information you provided was helpful, it did leave a couple of questions I was hoping somebody could answer for me. I am not asking for any additional information that was not included in the search warrant. I am only seeking clarification on a few issues.

1. In the search warrant I asked for the times to be shown in Mountain Standard Time to only clear up any confusion when reading the document. In doing a little research it appears California switched from Pacific Standard Time to Pacific Daylight Time on 03/11/18, which would mean that the time in California on 03/18/18 (PDT) was the same as the time in Arizona (MST). Can you confirm this is the case or was the time deliberately listed as Pacific Standard Time making the time one hour later than PDT?
2. Can you advise how accurate the times are that were listed? Is there a variance in the times listed or any error that is known of? What I am looking for here is if the time Hulu uses on the document could be off at all and if so how far can it be off?
3. Do you know if a person is watching Hulu on their cell phone and they lock their phone will the system continue to show that it is streaming or will the time end at that point and create a new start time when the episode continues to play when re-started?

Any assistance in answering these questions would be greatly appreciated. This is a very serious case where the charges of Vehicular Manslaughter may be charged, so correctly interpreting the information provided to us is crucial.

Thank you for your time,

Detective M. McCormick, 22020
Tempe Police Department
Vehicular Crimes Unit
Desk: (480)350-8148



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE



May 31, 2018

CONFIDENTIAL

Via Email

Detective McCormick
Tempe Police Department
120 East 5th Street
Tempe, AZ 85281
Email: Michael_Mccormick@tempe.gov

Dear Detective McCormick:

Below is Hulu's amended response to your subpoena dated March 22, 2018 related to Report #2018-32694. Hulu will respond to the specific questions in your May 10, 2018 email in its email response.

Subscriber Name	Rafaela Vasquez
Email Address	[REDACTED]
Date of Birth	[REDACTED]
User ID No.	[REDACTED]
Subscription ID No.	[REDACTED]
Account Creation Date	November 21, 2016
Account Status	Canceled, May 13, 2018
Zip Code	[REDACTED]
Viewing History	Amended Attachment A

Sincerely,
Hulu Legal
legal@hulu.com

2500 Broadway 2nd Floor
Santa Monica, CA 90404
www.hulu.com



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

AMENDED ATTACHMENT A



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

CONFIDENTIAL
AMENDED ATTACHMENT A

User ID	Client IP	Series	Episode	Phone Manufacturer and Model		ISP	Playback Duration	Start Time	End Time	Time Since Last Heartbeat
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	28728	2018-03-18 21:16:45	2018-03-18 21:17:14	
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29811	2018-03-18 21:17:15	2018-03-18 21:17:45	30.236
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29891	2018-03-18 21:17:45	2018-03-18 21:18:15	29.81
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30350	2018-03-18 21:18:15	2018-03-18 21:18:45	30.161
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29800	2018-03-18 21:18:46	2018-03-18 21:19:16	30.612
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29849	2018-03-18 21:19:15	2018-03-18 21:19:45	29.249
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30285	2018-03-18 21:19:45	2018-03-18 21:20:15	29.932
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29910	2018-03-18 21:20:15	2018-03-18 21:20:45	30.461
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30303	2018-03-18 21:20:45	2018-03-18 21:21:16	29.922
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29773	2018-03-18 21:21:16	2018-03-18 21:21:45	30.408
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29848	2018-03-18 21:21:46	2018-03-18 21:22:15	29.825
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29909	2018-03-18 21:22:16	2018-03-18 21:22:46	30.561
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30467	2018-03-18 21:22:45	2018-03-18 21:23:16	29.252
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29853	2018-03-18 21:23:21	2018-03-18 21:23:51	35.655
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29939	2018-03-18 21:23:45	2018-03-18 21:24:15	24.319
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29820	2018-03-18 21:24:16	2018-03-18 21:24:46	30.469



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AMENDED ATTACHMENT A

	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30392	2018-03-18 21:24:45	2018-03-18 21:25:16	29.599
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29760	2018-03-18 21:25:16	2018-03-18 21:25:46	30.557
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29930	2018-03-18 21:25:46	2018-03-18 21:26:16	29.656
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30321	2018-03-18 21:26:16	2018-03-18 21:26:46	29.942
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29824	2018-03-18 21:26:45	2018-03-18 21:27:15	29.562
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29915	2018-03-18 21:27:15	2018-03-18 21:27:45	30.01
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30338	2018-03-18 21:27:45	2018-03-18 21:28:15	30.033
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29919	2018-03-18 21:28:16	2018-03-18 21:28:45	30.42
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29819	2018-03-18 21:28:45	2018-03-18 21:29:15	29.658
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29832	2018-03-18 21:29:15	2018-03-18 21:29:45	29.891
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30368	2018-03-18 21:29:45	2018-03-18 21:30:16	30.196
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29877	2018-03-18 21:30:15	2018-03-18 21:30:45	29.959
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29897	2018-03-18 21:30:45	2018-03-18 21:31:15	29.947
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29965	2018-03-18 21:31:15	2018-03-18 21:31:45	29.993
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29873	2018-03-18 21:31:45	2018-03-18 21:32:15	29.969
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30417	2018-03-18 21:32:15	2018-03-18 21:32:46	30.058
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29884	2018-03-18 21:32:45	2018-03-18 21:33:15	29.965



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		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29899	2018-03-18 21:33:15	2018-03-18 21:33:45	30.002
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29895	2018-03-18 21:33:45	2018-03-18 21:34:15	30
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29926	2018-03-18 21:34:15	2018-03-18 21:34:45	30.026
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30381	2018-03-18 21:34:46	2018-03-18 21:35:16	30.32
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30014	2018-03-18 21:35:16	2018-03-18 21:35:46	30.34
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29881	2018-03-18 21:35:45	2018-03-18 21:36:15	29.372
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	2582	2018-03-18 21:36:15	2018-03-18 21:36:18	30.141
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	4371	2018-03-18 21:37:33	2018-03-18 21:37:37	77.426
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	15173	2018-03-18 21:38:22	2018-03-18 21:38:37	49.451
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	7323	2018-03-18 21:39:41	2018-03-18 21:39:49	79.22
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	4473	2018-03-18 21:39:52	2018-03-18 21:39:57	10.602
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	28916	2018-03-18 21:40:23	2018-03-18 21:40:51	30.453
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29884	2018-03-18 21:40:54	2018-03-18 21:41:24	31.162
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30330	2018-03-18 21:41:24	2018-03-18 21:41:54	29.811
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29748	2018-03-18 21:41:53	2018-03-18 21:42:23	29.666
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30316	2018-03-18 21:42:23	2018-03-18 21:42:53	29.537
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29828	2018-03-18 21:42:53	2018-03-18 21:43:22	29.927



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CONFIDENTIAL
AMENDED ATTACHMENT A

	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29867	2018-03-18 21:43:23	2018-03-18 21:43:52	29.901
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30370	2018-03-18 21:43:53	2018-03-18 21:44:23	30.332
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29944	2018-03-18 21:44:23	2018-03-18 21:44:53	29.724
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29836	2018-03-18 21:44:53	2018-03-18 21:45:22	29.946
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29948	2018-03-18 21:45:23	2018-03-18 21:45:53	30.057
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29873	2018-03-18 21:45:53	2018-03-18 21:46:23	30.266
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30382	2018-03-18 21:46:23	2018-03-18 21:46:53	30.055
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29925	2018-03-18 21:46:53	2018-03-18 21:47:23	29.702
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29822	2018-03-18 21:47:23	2018-03-18 21:47:52	30.019
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29839	2018-03-18 21:47:53	2018-03-18 21:48:22	29.984
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30347	2018-03-18 21:48:23	2018-03-18 21:48:53	29.985
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30019	2018-03-18 21:48:53	2018-03-18 21:49:23	30.066
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29869	2018-03-18 21:49:23	2018-03-18 21:49:53	29.964
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29968	2018-03-18 21:49:53	2018-03-18 21:50:23	30.238
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	20462	2018-03-18 21:50:25	2018-03-18 21:50:45	32.075
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	20232	2018-03-18 21:50:53	2018-03-18 21:51:13	27.939
	The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29710	2018-03-18 21:51:23	2018-03-18 21:51:53	30.087



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AMENDED ATTACHMENT A

		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29890	2018-03-18 21:51:53	2018-03-18 21:52:23	30.373
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30339	2018-03-18 21:52:23	2018-03-18 21:52:53	29.408
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29879	2018-03-18 21:52:53	2018-03-18 21:53:23	30.098
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29918	2018-03-18 21:53:23	2018-03-18 21:53:53	30.243
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30289	2018-03-18 21:53:56	2018-03-18 21:54:26	32.663
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29845	2018-03-18 21:54:23	2018-03-18 21:54:53	26.956
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29800	2018-03-18 21:54:53	2018-03-18 21:55:23	30.099
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30347	2018-03-18 21:55:23	2018-03-18 21:55:53	30.27
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29837	2018-03-18 21:55:53	2018-03-18 21:56:23	29.933
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29916	2018-03-18 21:56:23	2018-03-18 21:56:53	29.799
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30337	2018-03-18 21:56:53	2018-03-18 21:57:23	29.985
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29885	2018-03-18 21:57:23	2018-03-18 21:57:53	30.215
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29849	2018-03-18 21:57:53	2018-03-18 21:58:23	30.208
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	29951	2018-03-18 21:58:23	2018-03-18 21:58:53	29.736
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	30367	2018-03-18 21:58:53	2018-03-18 21:59:24	30.374
		The Voice	The Blind Auditions, Part 5	LGE	LGMP450	t-mobile usa inc.	3079	2018-03-18 21:58:57	2018-03-18 21:59:00	3.201



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Property Report(s)

Property Report #321684

Property Case Status: EVIDENCE/SEIZED

Related items: 1

Submitted on: Mar-19-2018 (Mon.)

Submitted by: 11638 - HAUBOLD, THOMAS

Related Item(s):

Bicycles

TYPE: Touring/Road

MAKE: SPINFIT700C

MODEL: HYPER

COLOR: Red

SERIAL #: TK17C31876

VALUE: \$0.00

DESCRIPTION: BIKE WITH DAMAGE FRONT WHEEL

RECOVERED VALUE: \$0.00



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Property Report(s)

Property Report #321768

Property Case Status: EVIDENCE/SEIZED

Related items: 4

Submitted on: Mar-20-2018 (Tue.)

Submitted by: 19443 - BARUTHA, J

Related Item(s):

Articles

ITEM: CAMERA - MEMORY CARD/STORAGE DEVICE
MODEL: EXTREME PLUS 64
COLOR: Red, Gold
SERIAL #: UNKNOWN
VALUE #: \$0.00
DESCRIPTION: 64GB MICRO SD REMOVED FROM JANUS V3 DASH CAM
RECOVERED VALUE: \$0.00

Articles

ITEM: COURT DOCUMENT/OOP/MIRANDA/SUBPOENA/SEARCH WARRANT
SERIAL #: UNKNOWN
VALUE #: \$0.00
DESCRIPTION: SW2018-002883 AUTHORED BY J. BARUTHA
RECOVERED VALUE: \$0.00

Articles

ITEM: CELL PHONE
MODEL: LGMP450
COLOR: Silver (Aluminum), Black
SERIAL #: [REDACTED]
VALUE #: \$0.00
DESCRIPTION: LG MP450 SILVER COVER/SILVER CASE
RECOVERED VALUE: \$0.00

Articles

ITEM: CELL PHONE
MODEL: LGMS550
COLOR: Black, Black
SERIAL #: [REDACTED]
VALUE #: \$0.00
DESCRIPTION: LG MS550 BLACK COVER/BLACK CASE
RECOVERED VALUE: \$0.00



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Property Report(s)

Property Report #321987

Property Case Status: EVIDENCE/SEIZED

Related items: 1

Submitted on: Mar-23-2018 (Fri.)

Submitted by: 18382 - RAMOS, ALBERT

Related Item(s):

Articles

ITEM: COURT DOCUMENT/OOP/MIRANDA/SUBPOENA/SEARCH WARRANT

SERIAL #: UNKNOWN

VALUE #: \$0.00

DESCRIPTION: SW RETURN FOR 2018-002991 AND 2018-002912

RECOVERED VALUE: \$0.00



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General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Property Report(s)

Property Report #322032

Property Case Status: EVIDENCE/SEIZED

Related items: 1

Submitted on: Mar-23-2018 (Fri.)

Submitted by: 11638 - HAUBOLD, THOMAS

Related Item(s):

Vehicles

LICENSE PLATE: [REDACTED]

LICENSE STATE: Arizona

VIN: [REDACTED]

MAKE: VOLV

MODEL: XC9

STYLE: 4DR HATCHBACK

COLOR: GRY

VEHICLE YEAR: 2017

MISC: DAMAGE TO FRONT END



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Property Report(s)

Property Report #322334

Property Case Status: EVIDENCE/SEIZED

Related items: 1

Submitted on: Mar-27-2018 (Tue.)

Submitted by: 20193 - PALMAIOLI, ANGELENA

Related Item(s):

Articles

ITEM: COURT DOCUMENT/OOP/MIRANDA/SUBPOENA/SEARCH WARRANT
SERIAL #: UNKNOWN
VALUE #: \$0.00
DESCRIPTION: NON-EXECUTED SIGNED SEARCH WARRANT AND RETURN
RECOVERED VALUE: \$0.00



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General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Property Report(s)

Property Report #322777

Property Case Status: EVIDENCE/SEIZED

Related items: 1

Submitted on: Apr-02-2018 (Mon.)

Submitted by: 22020 - MCCORMICK, MICHAEL

Related Item(s):

Articles

ITEM: RADIO, COMPACT DISC(CD) CASSETTE PLAYER COMBO - VEHICLE
SERIAL #: UNKNOWN
VALUE #: \$0.00
DESCRIPTION: CD WITH EDR DATA
RECOVERED VALUE: \$0.00



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General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Property Report(s)

Property Report #323056

Property Case Status: EVIDENCE/SEIZED

Related items: 7

Submitted on: Apr-05-2018 (Thu.)

Submitted by: 11638 - HAUBOLD, THOMAS

Related Item(s):

Articles

ITEM: SHOES/SHOELACE
MAKE: NIKE
COLOR: Black
SERIAL #: UNK
VALUE #: \$0.00
DESCRIPTION: TENNIS SHOES
RECOVERED VALUE: \$0.00

Articles

COLOR: Blue
SERIAL #: UNK
VALUE #: \$0.00
DESCRIPTION: BLUE AND WHITE THERMOS
RECOVERED VALUE: \$0.00

Articles

ITEM: JACKET
COLOR: Black
SERIAL #: UNK
VALUE #: \$0.00
DESCRIPTION: BLACK JACKET
RECOVERED VALUE: \$0.00

Articles

ITEM: JACKET
COLOR: Blue
SERIAL #: UNK
VALUE #: \$0.00
DESCRIPTION: JACKET, LIZ CLAIBORN
RECOVERED VALUE: \$0.00

Articles

ITEM: SHIRT
COLOR: White
SERIAL #: UNK
VALUE #: \$0.00
DESCRIPTION: T-SHIRT
RECOVERED VALUE: \$0.00

Articles

ITEM: AUTOMOTIVE PART (UNLISTED, OTHER, IF BRAND UNKNOWN then "PART")
COLOR: Silver (Aluminum)
SERIAL #: UNK
VALUE #: \$0.00
DESCRIPTION: GRILL, BROKEN PEICES OF FRONT
RECOVERED VALUE: \$0.00

Articles

ITEM: DRUG PARAPHERNALIA
COLOR: Clear
SERIAL #: UNK
VALUE #: \$0.00
DESCRIPTION: GLASS PIP WITH BURNT RESIDUE
RECOVERED VALUE: \$0.00



TEMPE POLICE DEPARTMENT

General Offense Report

GO# TE 2018-32694

Operational Status: ADMINISTRATIVE

Related Property Report(s)

Property Report #328933

Property Case Status: EVIDENCE/SEIZED

Related items: 1

Submitted on: Jun-19-2018 (Tue.)

Submitted by: 20595 - MARSLAND, KASEY

Related Item(s):

Articles

ITEM: DISK DRIVES

MODEL: 64 GB

COLOR: Black

SERIAL #: UNKNOWN

VALUE #: \$0.00

DESCRIPTION: ALL VIDEO FILES FROM UBER VEH DASHCAM

RECOVERED VALUE: \$0.00