

## Dispatch Information



Other Names

## Vehicles

## Call Details

## CFS Responders

| DCI334 (Primary) | DCI |  |
| :--- | :--- | :--- |
| HP17 (Primary) | 17 - Snyder, Shane | SDHP (Primary) |
| HP39 | 39 - Kinney, Kevin | SDHP (Primary) |

HP92
HP111
HP126
HP136
HP195

92 - Gacke, Jeremy
111 - Needham, Sean
126 - Moses, Jordan
136 - Moore, Nathan
195 - Berndt, John

SDHP (Primary)
SDHP (Primary)
SDHP (Primary)
SDHP (Primary)
SDHP (Primary)

Unspecified


Vehicles
38D248 SD
2003 White Ford F150

G00027 SD
2011 Red Ford TAURUS LIMITED
Owner JASON RICHARD RAVNSBORG

## Supporting Narrative By Sean Needham, 09/23/20 09:30

## Highmore Fatal Assist

On September $13^{\text {th }}, 2020$ at approximately 0930 hours I was called out to work and responded to the Highmore area to assist with a fatal accident that had occurred on US 14 approximately 1 mile west of Highmore on September $12^{\text {th }}$. Upon arrival I spoke with Trooper Moore. Trooper Moore was sitting stationary providing scene security near a body that was discovered.
I spent my day preserving a pickup truck in the ditch that was approximately 1 mile west of Trooper Moore's location (approximately 2 miles west of Highmore on US 14). While sitting in my patrol car a female pulled up behind me and exited her vehicle. She was identified by her South Dakota driver license as Shalon Rachell Ahrenholz (SD)

Ahrenholz stated that the truck I was preserving belonged to a man named Joe Boever. I had her spell out the man's name and asked her for a date of birth, she was not able to provide me with a date of birth. She wanted to know if a body was near Trooper Moores location. I advised I was tasked with this truck and was not aware of other troopers' task for the day. Throughout our talk roadside she stated that the driver of the truck had crashed it the night prior. A cousin of Boever had picked him up from the truck. She stated that she was around Boever last night (Saturday night) and that he was slurring his speech, but he had no alcohol and his blood sugar was good. She also stated that he lived on Commercial Avenue and they were neighbors, she said the owner of the truck Mr. Boever had been released from the hospital a few weeks ago.

I recorded her information and took a photograph of her driver license on my state issued cell phone. I then called Sergeant Schmitz who directed me to Sergeant Snyder. At the end of the day Trooper Jordan Moses replaced my position. Sergeant Snyder and a North Dakota BCI Agent arrived at my location. I told Sergeant Snyder and the North Dakota BCI Agent what had occurred. The North Dakota BCI Agent asked that I send him the driver license photograph. I sent him the photograph and cleared from the scene.

Trooper Needham, HP 111
South Dakota Highway Patrol

## Supporting Narrative By Jordan Moses, 09/26/20 11:43 <br> Supporting Narrative

On September 13th, 2020 at approximately 1000 hours, I received a phone call from Sgt. Austin Schmitz regarding a crash that occurred near Highmore. Sgt. Schmitz asked that I respond to the scene and relieve Trooper Needham at 1600 hours.

At 1600 hours, I went on duty and advised Pierre State Radio that I would enroute to Trooper Needham s location. When I arrived on scene, I met with Trooper Needham, who advised that he was sitting by the pickup until it was determined whether or not it was a part of the crash scene. Trooper Needham and I walked around the pickup and looked at the damage on the front end. Trooper Needham advised that a female had come to the pickup asking if she could get in. Trooper Needham left the scene a short time later.

I continued to watch the vehicle until it was deemed to be a part of the crash scene. I do not recall what time I spoke with Sgt. Snyder; but while speaking with him, a vehicle parked in front of my patrol car and two males got out of the vehicle. One of the males identified himself as a relative of the deceased. Both males were very agitated with Sgt. Snyder and I. Both males accused Sgt. Snyder and I of "covering up" what actually happened. Both males got back into their vehicle, after being told multiple times that they could not take the pickup, and left the scene.

I remained with the vehicle until it was taken by Johnny s Towing. I escorted Johnny s Towing to the Pierre Police Department evidence shed where the pickup was secured.
--- End of Supporting Narrative ---
Trooper Jordan Moses
HP126
South Dakota Highway Patrol

## Supporting Narrative By Joelle Schuknecht, 09/30/20 18:11

While on duty on September 17, 2020 at approximately 1530 hours, Sgt. Shane Snyder called me and told me that on the same night as his crash, Attorney General Jason Ravnsborg was at Rooster's in Redfield. Sgt. Snyder was unsure of the time he had left Redfield and needed me start at Rooster's and take any possible route to US 212 and look for security cameras on businesses and houses. Rooster's is located at 424 N Main St. in Redfield, SD.

I drove south on Main St and identified the following businesses that had security cameras:

- Rooster's (Camera Inside Around Bar)
- Redfield Food Center (Additional Camera in Alley)
- Dakotaland Credit Union
- City Hall (Additional Camera in Alley)
- Harr's Ford Dealership
- Appel's Quick Stop
- One Stop Gas Station

I patrolled the West side of Redfield which included the streets, W 5th Ave, W $1{ }^{\text {st }}$ St, W $6^{\text {th }}$ Ave, W $2^{\text {nd }}$ St, $3^{\text {rd }}$ St W , W $4^{\text {th }}$ Ave, W $4^{\text {th }}$ St, W $3^{\text {rd }}$ Ave, W $2^{\text {nd }}$ Ave, and W $6^{\text {th }}$ St.

I found one house, located at $\square \square$ that appeared to have a security camera system on their front door. I drove westbound on US 212 and located a camera system on a corner of a barn at 38423 US 212, that appeared to watch pheasants located in a pen. I drove down the driveway and was met by the homeowner, Lonni Stover. I asked Mr. Stover if the camera located on the barn reached the highway. He told me he was unsure, but his son Kyle Stover
oversees the camera system. I drove back to the barn and waited for Kyle Stover to arrive.
Kyle arrived and showed me a live view of what the camera captures. I was able to see cars passing the property on US 212. Kyle stated the camera system deletes footage after 30 days. I asked if he was able to send a portion of the recorded footage. He was unsure but gave me the telephone number of the gentleman who installed the camera system and he would be able to assist. I informed Kyle that Sgt. Snyder or Trooper John Berndt would be following up if they needed the footage.

I then drove westbound on US 212 to the town of Zell and Miller and did not notice any other security footage on houses along US 212.

On September 30, 2020, Sgt. Snyder asked me to meet Trooper Berndt in Aberdeen to relay thumb drives with video footage to the Huron Squad Office. At approximately 1800 hours, I placed the envelope with the thumb drives on Sgt. Snyder's desk as requested.

Trooper Joelle Schuknecht HP157

## Supporting Narrative By Nathan Moore, 10/01/20 16:07

Highmore Fatal Assist

On September 13, 2020 at approximately 0930 hours, I was informed by Sergeant Austin Schmitz of a possible vehicular homicide in Highmore, South Dakota. I arrived on scene and found Hyde County Sheriff's Office had shut down a stretch of road near MM 278 on US 14. I remained on scene for traffic control until Trooper John Berndt, Sergeant Shane Snyder and Sergeant Kevin Kinney arrived.

Upon their arrival, I assisted Sergeant Kinney and Trooper Berndt forensically map the scene. Below are the items found and mapped:

1. Bolt
2. Black Plastic
3. Black Plastic
4. Red Paint Chip
5. Red Paint Chip
6. Red paint chip
7. Red paint chip
8. Fork
9. Fork
10. Fork
11. Red paint chip
12. Red paint chip
13. Red paint chip
14. Glass fragment
15. Solenoid
16. Black plastic
17. Black plastic
18. Red paint
19. Red paint
20. Red paint
21. Red paint
22. Red paint
23. Red paint
24. Red paint
25. Red paint
26. Red paint
27. Silver plastic
28. Socket
29. Red plastic
30. Red plastic
31. Red paint
32. Red paint
33. Red paint
34. Red plastic
35. Black plastic
36. Black plastic
37. Blood
38. Blood
39. Blood
40. Blood
41. Blood
42. Clear plastic
43. Clear Plastic
44. Clear Plastic
45. Skid plate
46. Flashlight
47. Reflective glass
48. Black Plastic
49. Black Plastic
50. Black Plastic
51. Gray Plastic
52. Metal fragment
53. Wire harness
54. Clear plastic
55. Reflective glass
56. Red paint
57. Red paint
58. Black plastic
59. Black plastic
60. Black plastic
61. Red paint
62. Red reflector
63. Socket
64. Red paint
65. Red paint
66. Clear glass
67. Clear glass
68. Reflective glass
69. Reflective glass
70. Reflective glass
71. Reflective glass
72. Clear Plastic
73. Reflective glass
74. Blood
75. Blood
76. Blood
77. Blood
78. Blood
79. Blood
80. Blood
81. Blood
82. Blood
83. Black plastic
84. Red paint
85. Reflective glass
86. Screw
87. Wire harness
88. Blood
89. Blood
90. Blood
91. Blood
92. Blood
93. Blood
94. Red Paint
95. Bumper
96. Bumper
97. Bumper
98. Bumper
99. Black plastic
100. Black Plastic
101. Black Plastic
102. Black plastic
103. Body
104. Body
105. Body
106. Body
107. Body
108. Body
109. Body
110. Body
111. Body
112. Body
113. Body
114. Body
115. Body
116. Leg
117. Leg
118. Leg
119. Leg
120. Leg
121. Leg

A few days later, I assisted Trooper Berndt with vehicle skid testing on US 14. I kept a log of the vehicle's speed during testing and turned the speeds over to Trooper Berndt. After Skid testing was completed, Black Hills Towing arrived and took possession of the vehicle. I escorted the red vehicle back to Pierre where it was secured in the Pierre Police Department Evidence Shed.

I also assisted Trooper Berndt, Sergeant Snyder and Sergeant Kinney along with North Dakota Bureau of Criminal Investigation shutting down US 14 for additional forensic testing of the scene.

On November 10, 2020 at approximately 1200 hours, I met with Nick Nemac at the Pierre Police Department and released Mr. Boever s pickup truck to Mr. Nemac. Becky Eggebrecht with the Crash Assistance Program also released some of Mr. Boever s property to Mr. Nemac. The vehicle was released at 1355 hours.

```
Trooper Nathan Moore HP136
South Dakota Highway Patrol
```


## Supporting Narrative By Shane Snyder, 10/03/20 14:14

On Sunday September $13^{\text {th }}, 2020$ at approximately 1000 hours I was advised of a fatality crash involving a pedestrian that had occurred to the west of Highmore on US 14 (MM 278 US 14). I was further advised that the crash had occurred on Saturday evening and that Attorney General Jason Ravnsborg had reported that he had struck a deer, Hyde County Sheriff Michael Volek responded, and then loaned Ravnsborg his vehicle to get home. On Sunday morning Ravnsborg returned to the scene at which time he observed the deceased pedestrian in the ditch. I was told that ND BCI was also en route to assist with the investigation.

I responded to the scene and arrived at 1131 hours. Upon arrival I observed that SDDOT had blocked off approximately a $1 / 4$ mile section of the westbound lane of MM 278 . I traveled through the seen from the east end and observed nothing
notable other than some skid marks (later determined to be part of a different crash) and small debris. I then parked on the west end of the scene and contacted Trooper Moore. Trooper Moore and I then walked the scene at which time I observed the deceased later identified as Joseph Boever lying just into the grass off of the paved portion of the roadway, I also observed numerous pieces of debris on the shoulder of the roadway. I walked the ditch and located Mr . Boever's right leg which had been dismembered from his body. I contacted Sheriff Volek who was on scene and asked him about the incident. The only thing he would tell me was that it occurred approximately 2230 on Saturday night.

At approximately 1221 hours, I spoke to Captain Randi Erickson by telephone who advised me to travel to Pierre and make contact with Ravnsborg at his residence and to obtain a blood sample from him. At 1307 hours I arrived at Mr. Ravnsborg's residence and was unable to contact anyone. I contacted DCI Agent Hank Prim who gave me DCI Director David Natvig's phone number. Director Natvig advised that someone would be giving me a call. A few minutes later I received a call from Attorney General Chief of Staff Tim Bormann who advised that he was with Ravnsborg and wanted to know where to meet. I told him to meet me at the Hughes County Jail. I arrived at the jail at approximately 1326 hours and a few minutes later Ravnsborg and Bormann arrived. I explained that I was requesting a sample of Ravnsborg's blood as was standard practice in a crash involving a fatality to which he agreed. At 1339 hours MLT Brenda Lounsbury withdrew two vials of blood from Ravnsborg's arm. The blood samples were sealed and kept in my possession until they were turned over to ND BCI Special Agent Joe Arenz.

Through out the day of the $13^{\text {th }}$, I assisted with the mapping of the scene, taking pictures, and assisting Sergeant Kinney, Trooper Berndt, and ND BCI.

I further learned that on the evening of September 12th, 2020, Ravnsborg was attending a Lincoln Day Dinner at Roosters Grill in Redfield, SD. After leaving Roosters he proceeded to return to his residence in Pierre when the crash occurred.

At approximately 2006 hours, ND BCI Supervisory Special Agent Arnie Rummel and I made contact with Nick Nemec and Victor Nemec at Luce, Luze, and Reck Funeral Home in Highmore at which time Nick and Victor identified the deceased as their cousin Joseph Boever.

The below is a synopsis of any follow up or investigations I have done related to this case.
September $14^{\text {th }}, 2020$
I assisted Sergeant Kinney, Trooper Berndt, and ND BCI with the searching and processing of Ravnsborg vehicle which was stored at the Pierre Evidence Impound.

September $15^{\text {th }}, 2020$
I assisted Sergeant Kinney, Trooper Berndt, and ND BCI with skid testing of Ravnsborg's vehicle at the scene of the crash.

September $16^{\text {th }}, 2020$
I reviewed audio files which I had received from the Pierre PSAP. These audio files included Ravnsborg's 911 call on the evening of the $12^{\text {th }}$, Pierre PSAP call to Sheriff Volek, and other calls related to the case. Through these files I determined that Ravnsborg called 911 on 9/12/20 at 2224 hours to report he had hit something and that his vehicle was disabled, that the dispatcher had notified Hyde County Sheriff Mike Volek of the incident at 2226, and that Sheriff Volek requested a wrecker for the Ravnsborg vehicle at 2240 hours.

September $17^{\text {th }}, 2020$
I watched surveillance video at Dakotaland Federal Credit Union ( 509 N Main St) in Redfield in an attempt to determine which route Ravnsborg utilized when leaving Redfield as well as an exact departure time.
Ravnsborg was not seen arriving or leaving Roosters on their video system. I also reviewed surveillance video from the Redfield City Hall ( 626 Main St). Ravnsborg was not seen arriving or leaving Redfield on their video system.

I contacted Trooper Joelle Schuknecht and asked her to drive around Redfield and note any other video
systems that may have possibly captured Ravnsborg's vehicle entering or leaving Redfield on September $12^{\text {th }}$. Later in the evening I assisted Sergeant Kinney and Trooper Berndt with mapping additional points at the scene while ND BCI utilized Bluestar at the scene.

September $18^{\text {th }}, 2020$
Sergeant Kinney, Trooper Berndt, and I photographed areas of Ravnsborg's car which appeared to show imprints of Boever's clothing at the Pierre Evidence Impound.

September $19^{\text {th }}, 2020$
I traveled to Redfield and made contact with Kyle Stover $\square$ who Trooper Schuknecht had advised me had security camera footage from September $12^{\text {th }}$. Kyle put me in contact with Aaron Lorenzen at Dakota Surveillance who installed his camera system. I told Aaron what I was looking for and he said that he would begin working on getting me the video files.

I also made contact with Jeremy Fink who has a residence on the east side of Zell. Fink has a camera visible on the west side of his residence. $\square$

I continued west on US 212 and then south on SD 45. While traveling south I observed a camera at Pheasant Country Grain Storage north of Miller. I phoned Mike Rogers who put me in contact with Jason Binger. Jason came and allowed me to observe video footage from the $12^{\text {th }}$ and allowed me to back up his footage onto a USB. I left the USB with Jason as the backup was taking a while.

While returning to Redfield on US 212 I observed a camera mounted to a barn at 36501 US 212. I made contact with Ron Lefso who advised that the camera does not capture any video of the road.

September $20^{\text {th }}, 2020$
I made contact with Jason Binger. Binger advised that the backup had completed but that he was leaving town for the day. I made arrangements to pick up the USB on Monday.

I also spoke to Aaron Lorenzen who was going to Redfield to attempt to retrieve the video files from Stover's camera.

At approximately 1416 hours I received a call from the Pierre PSAP. They advised the Nick Nemec had called and had information for a possible witness. I made contact with Nick by telephone who told me that Georgette Cermak had seen Boever walking along the highway on the evening of the $12^{\text {th }}$. I forwarded that information onto BCI Agents Rummel and Arenz.

September $21^{\text {st }}, 2020$
I received the USB which contained video for Pheasant Country Grain. I also compared the time on the camera to the real time and found that the camera was 13 minutes ahead of real time. After receiving the USB, I traveled to Harr Motors ( 714 Main St) and Well Fargo ( 25 W 6th Ave) in Redfield, neither place of business had any cameras located where it would capture video we were looking for. I also viewed video at Redfield Food Center ( 516 Main St), they had no video footage that pertained to this case.

I viewed the video that was received from Pheasant Country Grain. I found that video file:
(Camera1_20200912162252) from Pheasant Country Grain contained Ravnsborg's vehicle northbound on SD 45 at 1626 hours (Real time: 1613 hours). Further review of the camera footage showed that the nighttime video showed numerous vehicles southbound but due to video quality I was unable to discern make and model of vehicles.

September $22^{\text {nd }}, 2020$
I stopped at $1^{\text {st }}$ Stop Truck Stop along US 14 east of Pierre. They advised that they only keep surveillance footage for 72 hours and would not be able to help us. Along with Sgt Kinney I proceeded to The Junction

Truck Stop west of Blunt. We viewed camera footage from September $12^{\text {th }}$ and did not see Ravnsborg coming or going on camera.

September $23^{\text {rd }}, 2020$
Sergeant Kinney, Trooper Berndt, and I received verbal consent by telephone from Will Boever (Brother of Joseph Boever) to conduct a search of Joseph Boever's vehicle which was stored at the Pierre Police Department Evidence Impound. Will Boever was designated by Joseph Boever's family to be point of contact for the family. While searching and conducting an inventory of the vehicle we found 1 bottle of prescription


September $24^{\text {th }}, 2020$
Sergeant Kinney, Trooper Berndt, and I mapped additional points at the scene of the crash. I also traveled to Farm Tech in Miller where Trooper Berndt had received surveillance camera footage earlier. I compared the time on the camera to the real time and found that the camera was 17 seconds ahead of real time.

I also received surveillance video footing from Aaron Lorenzo from Kyle Stover's camera. I found video file: (IP Camera4_Kyle Stover Kyle Stover_20200913161448_20200913165258_185666225) contained Ravnsborg's vehicle on September $13^{\text {th }}, 2020$ at 1648 hours. I confirmed with Lorenzo who advised that Stover's camera was 24 hours and 6 minutes fast making the real time that Ravnsborg's car was on camera as September $12^{\text {th }}, 2020$ at 1642 hours. Further review of the camera footage showed that the nighttime video showed numerous vehicles westbound but due to video quality I was unable to discern make and model of vehicles.

Later in the evening I assisted Sergeant Kinney, Trooper Berndt, and BCI Special Agents Rummel and Arenz with conducting testing with a walker wearing like clothing and a flashlight just as Joseph Boever would have been the night of the crash.

September $25^{\text {th }}, 2020$
Sergeant Kinney and I traveled to in Highmore where we reviewed and downloaded security camera footage from September $12^{\text {th }}, 2020$. We found that video file: (ch09_20200912212736 and ch09_20200912213037) contain footage of Joseph Boever walking northbound along the sidewalk at 2131 hours. We also confirmed that the camera clock to real time was exact.

Later that evening Sergeant Kinney, Trooper Berndt, and I conducted testing utilizing an exemplary vehicle. We drove the vehicle to Redfield and traveled numerous routes from Roosters Bar and Grill leaving Redfield on US 212. We then left Roosters Bar and Grill and timed how long it would take to travel to the scene of the crash. This testing was timed by Sergeant Kinney and Trooper Berndt while I drove.

September $30^{\text {th }}, 2020$
Sergeant Kinney and I assisted BCI Agents with the serving of a search warrant on $\square$ in Highmore, SD. As a result of the search warrant we seized two surveillance video DVR's which were taken into custody by BCI .

I also received video surveillance video from the Highmore Highschool as it may have been on the route Joseph Boever walked on the night of September $12^{\text {th }}$. While reviewing the video I did not see Mr. Boever on the video.

October $7^{\text {th }}, 2020$
I spoke with Gateway Ford in Pierre SD where Mr. Ravnsborg had his vehicle serviced. They stated that the last time they worked on the vehicle they replaced sparkplugs and plug wires. They further stated that nothing had ever been noted in the service record that the speedometer was not working properly.

October $14^{\text {th }}, 2020$
I spoke with Sgt Vince Kurtz of the Iowa State Patrol and asked if we could search lowa crash reports for Mr. Ravnsborg. He stated that he could and that he would get back to me.

October $15^{\text {th }}, 2020$
I spoke with Sgt Vince Kurtz of the lowa State Patrol. Sgt Kurtz stated that they searched crash reports dating back to 2001. Sgt Kurtz advised he did not find any reports that involved Mr. Ravnsborg.

October 18th 22nd, 2020
I reviewed offline NCIC search data based off Mr. Ravnsborg name and vehilces he was known to drive. I also ran an SD driver license history, SDHP warning and citation records search (these would only be warnings and citations issued by SDHP Troopers), and SD UJS search on Mr. Ravnsborg. Once completed I was able to merge all the records together to show a combined driving history for Mr. Ravnsborg for a multi state area. I also called and spoke to some of the agencies that had contact with Mr. Ravnsborg about the particulars of some of the stops. Some agencies agreed to share video of the stops. My compiled record is below:

9/8/96 - Speeding (6-10 over) and Seatbelt - IA Citation
9/1/03 - Speeding (11-15 over) - IA Citation
1/3/14 - Speeding (55 in 45) - SD Citation
3/29/14 - Speeding (40 in 30) - SD Citation
3/23/15 - Speeding (1-5 over) - SDHP Mike Boyd - Speeding and No Proof of Insurance - Warning
5/7/15 - Speeding (85 in 65) - SDHP Trooper Patrick Bumann - Citation
7/28/15 - Improperly Equipped Vehicle - Yankton PD Citation

- UJS shows an exhaust vo at on, 58 shows a safety cha n vo at on, YPD records show he was c ted for a stop s gn vo at on and warned for no proof of nsurance

11/2/15 - Concord, NH PD

- No record found

1/29/16 - Report - Yankton PD

- W tness to protect on order vo at on

2/16/16 - Sully County SO
4/6/16 - Concord NH PD

- No record found

4/17/16 Speeding Traffic Stop - Pennington SO Deputy Kintigh Warning

- Does not reca stop

9/4/16 - Speeding (39 in 30) - Yankton PD - Verbal

- No further nfo

2/22/17 - Phoned in to talk to Sheriff - Butte County SO

- They run everyone that ca s n

3/24/17 - Failure to wear Seatbelt - SDHP Trooper Josh Siferd - Citation / Speeding (6-10 over), No Proof of Insurance, No Proof of Registration-SDHP Trooper Siferd - Warning

5/8/17 - Speeding (75 in 70) - SDHP Trooper Cody Jansen - Citation
2/2/18 - Traffic Stop - Stanton County SO Deputy Wiebelhouse - Warning

- No further nfo

3/28/18 - Traffic Stop - Speeding - Yankton PD - Verbal

- No further nfo

4/6/18 - Speeding (80 in 65) - SDHP Tooper Shann Barrick - Citation
6/20/18 - Speeding (6-10 over) - SDHP Trooper Sean Needham - Warning
8/31/18 - Speeding (40 in 35) - Huron PD -SD Citation
10/01/18 - Headlight out - Yankton PD - Verbal

- No Further Info

4/27/19 - Speeding (40 in 30 ??)- SDHP Trooper Jordan Staab - Verbal

- Immed atey dent fed hmsefas AG

6/1/19 - Speeding (41 in 30) Traffic Stop - Cuming County SO Deputy Vance - Warning

- To d off cer he was the AG en route to NG tranng n Freemont dr v ng State veh ce / v deo obta ned

8/1/19 - ?? Sioux City PD

- No record found

9/7/19 - Traffic Stop - Hot Springs PD

- No further nformat on


## 11/07/19 - Speeding - SDHP Trooper Andrew Buns Verbal Warning

- Can t remember a speed but thought $t$ may have been 10 or more over

2/26/20 - Speeding (50 in 35) - Gettysburg PD - Verbal warning

- To d off cer he was the AG and was n a hurry to go meet ng n C ark, fet speed was necessary due to meet ng / v deo on $y$ ava abe wth a etter of ntent

6/20/20 - Speeding (65 in 55) - ISP Warning

- Produced badge and dent fed poston /v deo of stop obta ned

7/23/20 - Improper Lane Change - SDHP Trooper Nathan Moore - Warning - Trooper Moore submitted a synopsis of the stop on the bottom of his narrative.

## 9/6/20 - Huron PD Dornacker

- Stop s gn vo at on - verba warn ng / narrat ve obta ned /BWC footage obta ned

November 18th, 2020
I received the results of a prescription drug check on Mr. Boever. (See Attached: Boever PDMP)
November 19th, 2020
I received video for September 12th, 2020 that was obtained through a search warrant served on Through review of the videos I noted four videos which appear to show the Ravnsborg vehicle. At no time during the review of the videos did I see Mr. Boever.

The noted video files are:
Video file (CH01_2020-09-12_221808_2020-09-12_221847_ID082171.AVI) specifically 00:27:00 minutes into video appears to show the Ravnsborg vehicle driving westbound on US 14.

Video file (CH03_2020-09-12_221410_2020-09-12_221524_ID083980.AVI) is used as a reference video to show the view to the west along US 14.

Video file (CH03_2020-09-12_221918_2020-09-12_221944_ID083981.AVI) shows what appears to be a set of hazard lights down the road to the west in the area of where the Ravnsborg vehicle would have stopped after the crash.

Video file (CH03_2020-09-12_222834_2020-09-12_222904_ID083982.AVI) shows what appears to be the amber lights of a law enforcement vehicle in the same area the hazard lights were seen in the previous video.

November 20th, 2020:
Through the driving record review I did on Mr. Ravnsborg, I determined that the SDHP had conducted nine traffic stops on Mr. Ravnsborg, of those nine stops seven of the Troopers were still employed by SDHP. I contacted the Troopers by email and directed them to complete a case report on the stops. Those Troopers and there respective reports are below, Mike Boyd and Josh Siferd no longer work for SDHP so I was unable to obtain reports from them:

| DATE | OFFICER | TICKET\# | CFS\# | VIOLATION |
| :--- | :--- | :--- | :--- | :--- |
| $03 / 23 / 2015$ | Mike Boyd | A165663-HP | HP15031670 | Speeding 1-5, No Insurance |
| $05 / 07 / 2015$ | Patrick Bumman | A186000-HP | HP15052031 | Speeding 88 in a 65 |
| $03 / 24 / 2017$ | Josh Siferd | B220222-HP | $17-072505$ | No Seatbelt / Speeding 6-10, No Insurance, No Proof Re! |
| $05 / 08 / 2017$ | Cody Jansen | B333456-HP | $17-114102$ | Speeding 77 in a 70 |
| $04 / 06 / 2018$ | Shann Barrick | B451713-HP | $18-093348$ | Speeding 82 in a 65 |
| $06 / 20 / 2018$ | Sean Needham | B483566-HP | $18-177264$ | Speeding 6-10, |


| 04/27/2019 | Jordan Staab | $19-107595$ | Speeding |
| :--- | :--- | :--- | :--- |
| 11/07/2019 | Andrew Buns | $19-325571$ | Speeding |
| 07/23/2020 | Nathan Moore | B705070-HP | $20-180232$ | Improper Lane Change

November 24th, 2020:

I received video for September 13th, 2020 that was obtained through a search warrant served on Through review of the videos I noted two videos which appear to show Ravnsborg pulling up in a light colored Ford Edge (Sheriff Volek s personal vehicle) and Bormann pulling up in a red Jeep. The Ford Edge stops to fill gas and both parties talk near the fuel island.

The noted video files are:
Video file (CH01_2020-09-13_080700_2020-09-13_090659_ID02306.AVI) specifically 00:36:25 minutes into video.
Video file (CH02_2020-09-13_080700_2020-09-13_090631_ID02330.AVI) specifcally 00:35:16 mintues into video.

Shane D. Snyder
Sergeant
South Dakota Highway Patrol

## Supporting Narrative By Shane Snyder, 12/02/20 17:49

On September $16^{\text {th }}$, 2020 I was notified that the speed limit sign on US 14 near mile mark 278 had been moved by SDDOT on Monday September 14th, 2020. I made contact with SDDOT Huron Area Engineer Brad Letcher who was able to provide me with the Admin Rule for the adopted speed limit change, the 811 locate for the new posts, and the timesheet for John Weigel who moved the sign. Upon further research I discovered the that amended rule for the speed limit change was authorized on July $23^{\text {rd }}, 2020$. The amendment rule change can be found in attachment (Admin Rules ADOPTED 7-23-2020). The amended rule moved the 45 MPH zone which ended 0.16 miles west of the intersection with SD 47 to a distance of 0.3 miles west of the SD 47 intersection. This change did not change the speed limit in what was determined to be the area of impact.

## Shane D. Snyder <br> Sergeant <br> South Dakota Highway Patrol

## Supporting Narrative By Kevin Kinney, 12/03/20 10:13

On 12/03/2020 at 0845 hours I contacted Nationwide Ins Co of America's main office at (800) 882-2822 in reference to this case. After a lengthy process of trying to speak to a real person I ended up talking with an Alicen. She provided me with the claim number for the crash. The Claim \# is 026276GL and then she let me know that any questions I had would need to be handled through their assigned insurance adjuster. Alicen told me that the insurance adjuster is Lauren at (515) 508-5353.

On 12/03/2020 at 0900 hours I contacted the insurance adjuster, Lauren. Lauren immediately knew which case I was calling in reference to beings it was her only South Dakota case. She asked if I was referring to Jason's claim, which I
said yes. She let me know that she would try to answer my questions, but was unsure what she could tell me. I asked if the initial phone calls are recorded when a claim is made and she advised that she did not know. She said that statements that are made to adjusters are recorded, but that she has never talked to Jason because his case was given to an attorney right away to handle for confidentiality reasons. She advised that the attorney is Steve Oberg from Lynn, Jackson, Schultz and Lebrun in Rapid City. His direct phone number is

I have not contacted Steve Oberg at this time.
No further action was taken by me in reference to this contact.
SGT Kevin R. Kinney, HP039
Case Forms
SDHP Major Incident Report 9/13/20
Attached Document 9/19/20-1FAHP2FW3BG149248_ACM
Attached Document 9/19/20 - KHON_Weather_20200912_2100_2245
Attached Document 9/19/20 - KPIR_Weather_20200912_2100_2245
Supporting Narrative (Highmore Fatal Assist ) 9/23/20 by Sean Needham
Supporting Narrative (Supporting Narrative) 9/26/20 by Jordan Moses
SDHP Vehicle Inventory 9/28/20
Attached Document 9/30/20 - Boever vehicle tow bill
Supporting Narrative 9/30/20 by Joelle Schuknecht
Attached Document 10/1/20-1FTRW08L63KA82524_ACM
Attached Document 10/1/20-1FAHP2FW3BG1492488download2_ACM
Supporting Narrative (Highmore Fatal Assist) 10/1/20 by Nathan Moore
Supporting Narrative 10/3/20 by Shane Snyder
Attached Document 10/7/20 - SD534_Harrold_20200912_2246_20200913_1104
Attached Document 10/13/20 - Sept 13 aff-warr-inv-aff to seal-ord to seal
Attached Document 10/13/20 - Sept 22 aff-warr-inv-aff to seal- ord to seal
Attached Document 10/27/20 - Dornacker Traffic Stop Report Huron PD 9/6/20
Attached Document 11/2/20 - Apple Oct 1 aff warr inventory aff to seal order to seal
Attached Document 11/2/20 - Apple Oct 27 aff warr inventory aff to seal order to seal
Attached Document 11/2/20 - ATT aff warr inventory aff to seal order to seal
Attached Document 11/5/20 - SD Blood Submittal Forms
Attached Document 11/10/20 - Ascertain Forensics Toxicology Report
Attached Document 11/17/20- aff-sw-inv-aff to seal- order to seal
Attached Document 11/19/20 - Joseph Boever PDMP
Attached Document 11/20/20 - Headlight analysis
Attached Document 11/23/20-20200912 AG Supplemental_HP039
Attached Document 11/24/20 - AG crash report - Berndt
Attached Document 12/2/20 - Barrick Traffic Stop Report 4/6/18
Attached Document 12/2/20 - Bumann Traffic Stop Report 5/7/15
Attached Document 12/2/20 - Buns Traffic Stop Report 11/7/19
Attached Document 12/2/20 - Jansen Traffic Stop Report 5/8/17
Attached Document 12/2/20 - Moore Traffic Stop Report 7/23/20
Attached Document 12/2/20 - Needham Traffic Stop Report 6/20/18
Attached Document 12/2/20 - Staab Traffic Stop Report 4/27/19
Attached Document 12/2/20-811 Locate for MM278 US14 speed limit sign move
Attached Document 12/2/20 - Admin Rules ADOPTED 7-23-2020
Attached Document 12/2/20 - Timeform Report for John Weigel SDDOT
Supporting Narrative (Autosaved) 12/2/20 by Shane Snyder
Attached Document 12/3/20 - Forensic map evidence log
Attached Document 12/3/20 - Forensic map measurement log
Supporting Narrative 12/3/20 by Kevin Kinney
Attached Document 12/3/20-AOI to body - forensic map
Attached Document 12/3/20 - Debris field - forensic map
Attached Document 12/3/20 - Extents - forensic map
Attached Document 12/3/20 - Trend lines with vehicle placement - forensic map
Attached Document 12/3/20 - Trend lines without vehicle placement - forensic map
Attached Document 12/3/20 - AG Crash Berndt Supplemental

Attached Document 12/4/20-Google to open warrant info Attached Document 12/4/20 - Verizon Oct 1 warrant info Attached Document 12/4/20 - Verizon to open warrant info Attached Document 12/4/20 - Yahoo Oct 2 warrant info Attached Document 12/4/20 - Yahoo to open warrant info Attached Document 1/8/21 - AG crash supplemental 010521
Attached Document 1/27/21-BCI supplemental report

Emergency Services Communications Center
"Pride in Service" $\qquad$
CFS Command Log
Printed on March 10, 2021

| CFS \# | $20-236756$ |
| :--- | :--- |
| Call Taker | Michael Kludt |
| Location | MM 278 US 14, HYDE |
| Location Details |  |
| Primary Incident Code | ASSIST : ASSIST |
| Mod | Not In Progress |
| Priority | 3 |
| Use Caution | No |
| Primary Disposition | ACCIDENT REPORT |
| Beat | HP Pierre |
| Zone | Hyde |
| Ready For Dispatch | No |
| Call Time | $09 / 13 / 2008: 47: 24$ |
| Completed Time | $09 / 13 / 2022: 52: 39$ |

## Names

## Unknown

Sex
DOB
Address

## Vehicles

| Responders |  |  |
| :--- | :--- | :--- |
| DCI334 (Primary) |  |  |
| HP17 (Primary) | 17- Snyder, Shane | DCI |
| HP39 | $39-$ Kinney, Kevin | SDHP (Primary) |
| HP92 | $92-$ Gacke, Jeremy | SDHP (Primary) |
| HP111 | $111-$ Needham, Sean | SDHP (Primary) |
| HP126 | $126-$ Moses, Jordan | SDHP (Primary) |
| HP136 | $136-$ Moore, Nathan | SDHP (Primary) |
| HP195 | $195-$ Berndt, John | SDHP (Primary) |

## Response Times

```
Assigned 09/13/20 08:47:33 *
Enroute 09/13/20 08:47:33
Arrived 09/13/20 09:28:03
Completed 09/13/20 22:52:39
```

| IR / External Agency Numbers |  |  |  |
| :---: | :---: | :---: | :---: |
| HP20004565CR |  |  | PO: 17 - Snyder, Shane |
| Command Log Filter: All Commands \| Details: Hidden | Units: All Units | Revised Entries: Shown |  |  |  |
| 09/13/20 08:47:24 | ****** | ****** \| ****** |  |
| 09/13/20 08:47:33 | ****** | ****** \| ****** |  |
| 09/13/20 08:48:36 | ****** | ****** \| ****** |  |


| 09/13/20 09:23:05 |  |  |  |
| :---: | :---: | :---: | :---: |
| 09/13/20 09:23:12 \| |  |  |  |
| 09/13/20 09:25:39 \| |  |  |  |
| 09/13/20 09:28:03 \| |  |  |  |
| 09/13/20 09:30:38 \| |  |  |  |
| 09/13/20 09:30:53 \| |  |  |  |
| 09/13/20 09:31:59 \| |  |  |  |
| 09/13/20 09:32:03 \| |  |  |  |
| 09/13/20 09:32:04 \| |  |  |  |
| 09/13/20 09:34:26 \| |  |  |  |
| 09/13/20 09:46:32 \| |  |  |  |
| 09/13/20 09:46:34 |  |  |  |
| 09/13/20 10:00:21 \| |  |  |  |
| 09/13/20 11:21:46 |  |  |  |
| 09/13/20 11:34:39 \| |  |  |  |
| 09/13/20 11:36:48 \| |  |  |  |
| 09/13/20 11:38:02 \| |  |  |  |
| 09/13/20 11:38:11 \| |  |  |  |
| 09/13/20 11:41:56 |  |  |  |
| 09/13/20 11:43:13 \| |  |  |  |
| 09/13/20 11:59:32 \| |  |  |  |
| 09/13/20 12:08:25 |  |  |  |
| 09/13/20 12:26:06 |  |  |  |
| 09/13/20 12:36:12 \| |  |  |  |
| 09/13/20 12:47:19 \| |  |  |  |
| 09/13/20 13:20:02 \| |  |  |  |
| 09/13/20 13:39:24 \| |  |  |  |
| 09/13/20 14:03:47 \| |  |  |  |
| 09/13/20 14:33:25 |  |  |  |
| 09/13/20 14:54:31 \| |  |  |  |
| 09/13/20 15:19:58 |  |  |  |
| 09/13/20 15:28:55 |  |  |  |
| 09/13/20 15:51:45 |  |  |  |
| 09/13/20 16:11:56 \| |  |  |  |
| 09/13/20 16:50:43 |  |  |  |
| 09/13/20 17:19:20 \| |  |  |  |
| 09/13/20 18:25:45 |  |  |  |
| 09/13/20 18:25:54 \| |  |  |  |
| 09/13/20 18:39:47 \| |  |  |  |
| 09/13/20 18:49:05 \| |  |  |  |
| 09/13/20 18:52:55 |  |  |  |
| 09/13/20 18:53:42 |  |  |  |
| 09/13/20 19:04:43 \| |  |  |  |
| 09/13/20 19:48:42 \| |  |  |  |
| 09/13/20 19:53:22 \| |  |  |  |
| 09/13/20 19:56:53 \| |  |  |  |
| 09/13/20 19:57:23 \| |  |  |  |
| 09/13/20 20:47:44 |  |  |  |
| 09/13/20 20:53:41 \| |  |  |  |
| 09/13/20 21:20:34 \| |  |  |  |
| 09/13/20 22:11:23\| |  |  |  |
| 09/13/20 22:17:46 |  |  |  |
| 09/13/20 22:17:57 \| |  |  |  |
| 09/13/20 22:52:39 \| |  |  |  |
| 09/14/20 08:14:42 \| |  |  |  |
| 09/14/20 08:20:07 \| |  |  |  |
| 09/14/20 08:31:24 \| |  |  |  |
| 09/14/20 09:42:01 \| |  |  |  |
| 09/14/20 11:31:14 |  |  |  |
| 09/14/20 16:06:26 \| |  |  |  |
| 09/14/20 18:09:02 \| | ****** | **** |  |


| 09/14/20 18:26:51 |  |  |  |
| :---: | :---: | :---: | :---: |
| 09/14/20 23:40:04 |  |  |  |
| 09/15/20 08:55:00 |  |  |  |
| 09/15/20 08:55:21 |  |  |  |
| 09/15/20 17:12:50 |  |  |  |
| 09/15/20 17:12:57 |  |  |  |
| 09/15/20 17:39:01 |  |  |  |
| 09/15/20 18:02:47 |  |  |  |
| 09/15/20 18:31:41 |  |  |  |

## VEHICLE INVENTORY

CFS\# HP20004565CR
Date and Time: $09 / 23 / 2010: 30$

Damage to Vehicle at Time of Inventory: passanger front corner, fender, hood, bumper, fender wedged in passenger door, driver front door dent, driver rear cab dent, scratches, paint peel

Vehicle Inventoried By: 17 - Snyder, Shane

Witnessed By: 39 - Kinney, Keving - 195 - Berndt, John

Vehicle Towed By: JONNY'S TOWING

Pierre, SD 57501

```
Inventory List:
FRONT: driver door panel - 1 quarter
driver seat - 1 quarter, cigarette lighter
under seat - pen, misc. trash
on seat - baseball hat
CENTER CONSOLE:
paper mask
vehicle registration
bill of sale
insurance card
Hall Oil & Gas invoices (32976-33100)
stereo remote
postage stamps X 18
```

GLOVE BOX: eyeglasses
tissue

REAR: CD case with 24 Cd's
6 CD's in misc cases
iumper cables

TRUNK: spare tire
*receiver hitch installed in hitch

REMARKS:

# SOUTH DAKOTA HIGHWAY PATROL 

## MAJOR INCIDENT REPORT - FOR PRELIMINARY INTERNAL USE ONLY

Major Event: 1 - Fatal Crash
Date: 09/12/20 22:30
Description (Optional): CAR VS. PED Marsy's Law Invoked:(details in narrative) No
Location: EXPIREMENT FARM RD/ US 14 (HYDE COUNTY)
Location from Nearest City: 1 MILE WEST OF HIGHMORE


Incident Description: (describe in detail)
On September 12th, 2020 at approximately 2230 hours, Hyde County Sheriff Volek was contacted by AG Jason Ravonsborg of a Car VS.Deer accident on US Hwy 14 on the west edge of Highmore city limits. Sheriff Volek took the report over the phone and did not respond to the scene. A tow truck from Pierre was contacted (Black Hills Towing) and the tow truck brought the vehicle back to Pierre. The Sheriff borrowed a vehicle to Jason Ravnsborg to travel to Pierre that evening after the crash.

The next morning (Sunday, September 13th, 2020) AG Ravnsborg returned the vehicle to Hyde County. The Sheriff met him at the scene and it was then discovered a male body was in the north ditch. At approximately 0902 hours on September 13th, 2020, Sheriff Volek requested for DCI to respond to the scene.

DCI has requested the ND BCI to respond and investigate the incident. Sgt Kinney, Trooper Berndt, Trooper Moore, Sgt Snyder are on scene assisting.
***NOT FOR RELEASE
(The deceased is believed to be Joseph Boever (SD) UNKNOWN D.O.B. however this has not been confirmed).



## RAVNSBORG, JASON RICHARD

| No P cture | Sex | Mae | Race | Unknown |
| :---: | :---: | :---: | :---: | :---: |
|  | DOB |  | Ethnicity |  |
|  | Current Age | 44 |  | Specfed |
|  | Height | 6' 2 " | Eye Color | B ue |
|  | Weight | 225 bs | Hair Color | Wh te |
|  | Deceased | No | Build |  |
|  |  |  | Complexion |  |
|  | Distinctive Markings None |  |  |  |
|  |  |  |  |  |

## Contact Information

## Street Address

| Emergency Contact | Phone \#'s |  |
| :--- | :--- | :--- |
| Employer | Home | Last Mod fed 3/27/15 |
| Occupation | Cell |  |
|  |  | Last Mod fed 3/24/17 |

Identification

OLN | SD |
| :--- | :--- | :--- |
| car/truck $\operatorname{Exp} 2024$ |$\quad$ SSN

Background

| Last Grade | Marital Status | Religion |
| :--- | :--- | :--- |
| Citizenship | Place of Birth |  |
| State of Birth | Country of Birth |  |
| Comments |  |  |

Vehicles
36L401 SD NO DESCRIPTION - Past Record Association

| Traff c Stop; Inc dent Code V : 10-44 |  |  |
| :---: | :---: | :---: |
| 11/07/19 13:12 SDHP | Case | \#HP20005683CR |
| Traff c Stop; Inc dent Code V : 10-44 |  |  |
| 04/26/19 23:40 ESCC | CFS | \#19-107595 |
| Traff c Stop; Inc dent Code V : 10-44 |  |  |
| 04/26/19 23:40 SDHP | Case | \#HP20005682CR |
| Traff c Stop; Inc dent Code V : 10-44 |  |  |
| 36L401 SD SILVER CHEVROLET SUBURBAN - Past Record Association |  |  |
| 07/23/20 21:01 SDHP | Case | \#HP20005684CR |
| Warn ng; Inc dent Code V : 10-44 |  |  |
| 38 D 248 SD 2003 WHITE FORD F150-Past Record Association |  |  |
| 09/13/20 08:47 SDHP | Case | \#HP20004565CR |
| G00027 SD 2011 RED FORD TAURUS LIMITED - Current Registered Owner |  |  |
| 09/13/20 08:47 SDHP | Case | \#HP20004565CR |
| 06/20/18 18:17 SDHP | Case | \#HP20005681CR |
| Warn ng; Inc dent Code V : 10-44 |  |  |
| 05/07/15 22:06 SDHP | Case | \#HP20005678CR |
| C tat on; Inc dent Code V : 10-44 |  |  |

## G00027 SD 2011 RED FORD TAURUS LIMITED - Past Record Association

| 04/06/18 15:13 SDHP | Case | \#HP20005680CR |
| :--- | :--- | :--- |
| C tat on; Inc dent Code V : 10-44 |  |  |
| 05/08/17 11:36 ESCC | CFS | \#17-114102 |
| Traff c Stop; Inc dent Code V : 10-44 |  |  |
| 05/08/17 11:36 SDHP | Case | \#HP20005679CR |
| Traff c Stop; Inc dent Code V : 10-44 |  |  |

## G00027 SD 2011 RED FORD TAURUS LIMITED - Past Record Association

05/08/17 11:36 SDHP Case \#HP20005679CR
C tat on; Inc dent Code V : 10-44



| No P cture | Sex | Mae | Race | Unknown |
| :---: | :---: | :---: | :---: | :---: |
|  | DOB |  | Ethnicity | Not |
|  | Current Age | 44 |  | Spec fed |
|  | Height | 6' 2 " | Eye Color | B ue |
|  | Weight | 225 bs | Hair Color | Wh te |
|  | Deceased | No | Build |  |
|  |  |  | Complexion |  |
|  | Distinctive MarkingsNone |  |  |  |
|  |  |  |  |  |

## Contact Information



## Background

| Last Grade | Marital Status | Religion |
| :--- | :--- | :--- |
| Citizenship | Place of Birth |  |
| State of Birth | Country of Birth |  |
| Comments |  |  |


| History |  |  |
| :--- | :--- | :--- |
| $09 / 13 / 20$ | $08: 47$ | SDHP |
| $09 / 13 / 20$ | $08: 47$ | SDHP |
| $07 / 23 / 20$ | 21:03 | SDHP |
|  | Inc dent | \#HP20004565CR SEALED |
| Charge: 32-26-6 | Improper Lane Change (M2) | \#HP20004565CR SEALED |
| 07/23/20 21:01 SDHP | eC tat on \#B705070-HP - Inc dent |  |
| Invo vements for RAVNSBORG, JASON RICHARD | \#HP20005684CR, warned |  |

Invo vements for RAVNSBORG, JASON RICHARD
Offender
32-26-6 - Improper Lane Change (M2)
Warned
32-26-6 - Improper Lane Change (M2)

| 11/07/19 13:12 | SDHP | Inc dent | \#HP20005683CR, V : 10-44 |
| :--- | :--- | :--- | :--- |
| $04 / 26 / 19$ | 23:40 | SDHP | Inc dent |
| $06 / 20 / 18 ~ 18: 19$ | SDHP | eC tat on | \#HP20005682CR, V : 10-44 |
|  |  | eC tat on \#B483566-HP - Inc dent |  |
|  |  | \#HP20005681CR, warned |  |

Charge: 32-25-7 - Speed ng Other Roadways (06-10 MPH Over L m t)(M2)
06/20/18 18:17 SDHP Inc dent \#HP20005681CR, V : 10-44
Invo vements for RAVNSBORG, JASON RICHARD
Driver
32-25-7 - Speed ng Other Roadways (06-10 MPH Over L m t)(M2)
Offender
32-25-7 - Speed ng Other Roadways (06-10 MPH Over L m t)(M2)
Vehicle Owner
32-25-7 - Speed ng Other Roadways (06-10 MPH Over L m t)(M2)

## Warned

32-25-7 - Speed ng Other Roadways (06-10 MPH Over L m t)(M2)

04/06/18 15:17 SDHP eC tat on |  | eC tat on \#B451713-HP - Inc dent |
| :--- | :--- |
| \#HP20005680CR, $c$ ted |  |

Charge: 32-25-1.1 - Speed ng on State H ghway (11-15 MPH Over L m t)(M2)
04/06/18 15:13 SDHP Inc dent \#HP20005680CR, V : 10-44
Invo vements for RAVNSBORG, JASON RICHARD
Cited
32-25-1.1 - Speed ng on State H ghway (11-15 MPH Over L m t)(M2)
Offender
32-25-1.1 - Speed ng on State H ghway (11-15 MPH Over L m t)(M2)
05/08/17 11:39 SDHP eC tat on eC tat on \#B333456-HP - Inc dent \#HP20005679CR, c ted
Charge: 32-25-7.1 - Speed ng on D v ded H ghway (01-05 MPH)(M2)
05/08/17 11:36 SDHP Inc dent \#HP20005679CR, V : 10-44
Invo vements for RAVNSBORG, JASON RICHARD Cited
32-25-7.1 - Speed ng on D v ded H ghway (01-05 MPH)(M2)
03/24/17 13:04 SDHP eC tat on eC tat on \#B220222-HP, warned

Charge: 32-5-91 - Veh c e Reg strat on Not n Possess on; Charge: 32-35-113 - No Proof of Insurance(M2); Charge: 32-25-1.1-
Speed ng on State H ghway (06-10 MPH Over L m t)(M2)
03/24/17 13:04 SDHP eC tat on
Charge: 32-38-1 - Seatbe ts-Fa to Use Seatbe ts

Charge: 32-38-1 - Seatbe ts-Fa to Use Seatbe ts


## Vehicles

## 36L401 SD NO DESCRIPTION - Past Record Association

| $11 / 07 / 19$ 13:12 ESCC | CFS | \#19-325571 |
| :--- | :--- | :--- |
| Traff c Stop; Inc dent Code V : 10-44 |  |  |
| $11 / 07 / 19$ 13:12 SDHP | Case | \#HP20005683CR |
| Traff c Stop; Inc dent Code V :10-44 |  | \#19-107595 |
| $04 / 26 / 19$ 23:40 ESCC | CFS |  |
| Traff c Stop; Inc dent Code V :10-44 |  | \#HP20005682CR |
| $04 / 26 / 19$ 23:40 SDHP | Case |  |
| Traff c Stop; Inc dent Code V :10-44 |  |  |


| 36L401 SD SILVER CHEVROLET SUBURBAN - Past Record Association |
| :--- |
| 07/23/20 21:01 SDHP |
| Warn ng; Inc dent Code V : 10-44 |
| 38D248 SD $\mathbf{2 0 0 3}$ WHITE FORD F150 - Past Record Association   <br> $09 / 13 / 20$ $08: 47$ SDHP$\quad$ \#HP20005684CR |



## G00027 SD 2011 RED FORD TAURUS LIMITED - Past Record Association

| 04/06/18 15:13 SDHP | Case | \#HP20005680CR |
| :--- | :--- | :--- |
| C tat on; Inc dent Code V : 10-44 |  |  |
| 05/08/17 11:36 ESCC | CFS | \#17-114102 |
| Traff c Stop; Inc dent Code V : 10-44 |  |  |
| 05/08/17 11:36 SDHP | Case | \#HP20005679CR |
| Traff c Stop; Inc dent Code V : 10-44 |  |  |

## G00027 SD 2011 RED FORD TAURUS LIMITED - Past Record Association

05/08/17 11:36 SDHP Case \#HP20005679CR
C tat on; Inc dent Code V : 10-44


## Names

## Unknown

Sex
DOB
Address

## Vehicles

| Responders |  |  |
| :--- | :--- | :--- |
| DCI334 (Primary) |  | DCI |
| HP17 (Primary) | - Snyder, Shane | SDHP (Primary) |
| HP39 | 39 - Kinney, Kevin | SDHP (Primary) |
| HP92 | $92-$ Gacke, Jeremy | SDHP (Primary) |
| HP111 | $111-$ Needham, Sean | SDHP (Primary) |
| HP126 | $126-$ Moses, Jordan | SDHP (Primary) |
| HP136 | $136-$ Moore, Nathan | SDHP (Primary) |
| HP195 | $195-$ Berndt, John | SDHP (Primary) |

## Response Times

```
Assigned 09/13/20 08:47:33 *
Enroute 09/13/20 08:47:33
Arrived 09/13/20 09:28:03
Completed 09/13/20 22:52:39
```


## IR / External Agency Numbers

HP20004565CR
PO: 17 - Snyder, Shane

## Unit Response Times

## *******

09/13/20 08:47:24 |******

|  |  |
| :---: | :---: |
| 09/13/20 08:48:36 |  |
| 09/13/20 09:23:05 |  |
| 09/13/20 09:23:12 |  |
| 09/13/20 09:25:39 |  |
| 09/13/20 09:28:03 |  |
| 09/13/20 09:30:38 |  |
| /13/20 09•30:53 |  |
| 09/13/20 09:31:59 |  |
| 09/13/20 09:32:03 |  |
| 09/13/20 09:32:04 |  |
| 09/13/20 09:34:26 |  |
| 09/13/20 |  |
| 09/13/20 09:46:34 |  |
| 09/13/20 10:00:21 |  |
| 09/13/20 11:21:46 |  |
| 09/13/20 11:34:39 |  |
| 09/13/20 11:36:48 |  |
| 09/13/20 11:38:02 |  |
| 09/13/20 11:38:11 |  |
| 09/13/20 11:41:56 |  |
| 09/13/20 11:43:13 |  |
| 09/13/20 11:59:32 |  |
| 09/13/20 12:08:25 |  |
| 09/13/20 12:26:06 |  |
| 09/13/20 12:36:12 |  |
| 09/13/20 12:47:19 |  |
| 09/13/20 13:20:02 |  |
| 09/13/20 13:39:24 |  |
| 09/13/20 14:03:47 |  |
| 09/13/20 14:33:25 |  |
| 09/13/20 14:54:31 |  |
| 09/13/20 15:19:58 |  |
| 09/13/20 15:28:55 |  |
| 09/13/20 15:51:45 |  |
| 09/13/20 16:11:56 |  |
| 09/13/20 16:50:43 |  |
| 09/13/20 17:19:20 |  |
| 09/13/20 18:25:45 |  |
| 09/13/20 18:25:54 |  |
| 09/13/20 18:39:47 |  |
| 09/13/20 18:49:05 |  |
| 09/13/20 18:52:55 |  |
| 09/13/20 18:53:42 |  |
| 09/13/20 19:04:43 |  |
| 09/13/20 19:48:42 |  |
| 09/13/20 19:53:22 |  |
| 09/13/20 19:56:53 |  |
| 09/13/20 19:57:23 |  |
| 09/13/20 20:47:44 |  |
| 09/13/20 20:53:41 |  |
| 09/13/20 21:20:34 |  |
| 09/13/20 22:11:23 |  |
| 09/13/20 22:17:46 |  |
| 09/13/20 22:17:57 |  |
| 09/13/20 22:52:39 |  |
| 09/14/20 08:14:42 |  |
| 09/14/20 08:20:07 |  |
| 09/14/20 08:31:24 |  |
| 09/14/20 09:42:01 |  |
| 09/14/20 11:31:14 |  |

09/14/20 16:06:26 |****** 09/14/20 18:09:02 |****** 09/14/20 18:26:51 |****** 09/14/20 23:40:04 |****** 09/15/20 08:55:00 |****** 09/15/20 08:55:21 |****** 09/15/20 17:12:50 |****** 09/15/20 17:12:57 |****** 09/15/20 17:39:01 | ****** 09/15/20 18:02:47 |******
09/15/20 18:31:41 |******

Vehicle Card 38D248

Plate \# 38D248
Plate Expires 2021
Plate State SD
Plate Type Passenger Car
VIN
1FTRW08L63KA82524
Vehicle Year 2003
Vehicle Make Ford
Vehicle Model F150
Vehicle Style Pickup
Vehicle Color 1 White
Vehicle Color 2
Vehicle Features
Owner
Owner

Vehicle Card G00027

Plate \# G00027
Plate Expires 2021
Plate State SD
Plate Type
VIN
1FAHP2FW3BG149248
Vehicle Year 2011
Vehicle Make Ford
Vehicle Model TAURUS LIMITED
Vehicle Style PC
Vehicle Color 1 Red
Vehicle Color 2
Vehicle Features
Owner JASON RICHARD RAVNSBORG
Owner

# Supporting Report By Sean Needham, 09/23/20 09:30 

## Highmore Fatal Assist <br> Case \#HP20004565CR Typed By Sean Needham

On September $13^{\text {th }}, 2020$ at approximately 0930 hours I was called out to work and responded to the Highmore area to assist with a fatal accident that had occurred on US 14 approximately 1 mile west of Highmore on September $12^{\text {th }}$. Upon arrival I spoke with Trooper Moore. Trooper Moore was sitting stationary providing scene security near a body that was discovered.
I spent my day preserving a pickup truck in the ditch that was approximately 1 mile west of Trooper Moore's location (approximately 2 miles west of Highmore on US 14). While sitting in my patrol car a female pulled up behind me and exited her vehicle. She was identified by her South Dakota driver license as Shalon Rachell Ahrenholz (SD)

Ahrenholz stated that the truck I was preserving belonged to a man named Joe Boever. I had her spell out the man's name and asked her for a date of birth, she was not able to provide me with a date of birth. She wanted to know if a body was near Trooper Moores location. I advised I was tasked with this truck and was not aware of other troopers' task for the day. Throughout our talk roadside she stated that the driver of the truck had crashed it the night prior. A cousin of Boever had picked him up from the truck. She stated that she was around Boever last night (Saturday night) and that he was slurring his speech, but he had no alcohol and his blood sugar was good. She also stated that he lived on Commercial Avenue and they were neighbors, she said the owner of the truck Mr. Boever had been released from the hospital a few weeks ago.

I recorded her information and took a photograph of her driver license on my state issued cell phone. I then called Sergeant Schmitz who directed me to Sergeant Snyder. At the end of the day Trooper Jordan Moses replaced my position. Sergeant Snyder and a North Dakota BCI Agent arrived at my location. I told Sergeant Snyder and the North Dakota BCI Agent what had occurred. The North Dakota BCI Agent asked that I send him the driver license photograph. I sent him the photograph and cleared from the scene.

Trooper Needham, HP 111
South Dakota Highway Patrol

## Supporting Report By Jordan Moses, 09/26/20 11:43

## Supporting Narrative <br> Case \#HP20004565CR <br> Typed By Jordan Moses

On September 13th, 2020 at approximately 1000 hours, I received a phone call from Sgt. Austin Schmitz regarding a crash that occurred near Highmore. Sgt. Schmitz asked that I respond to the scene and relieve Trooper Needham at 1600 hours.

At 1600 hours, I went on duty and advised Pierre State Radio that I would enroute to Trooper Needham s location. When I arrived on scene, I met with Trooper Needham, who advised that he was sitting by the pickup until it was determined whether or not it was a part of the crash scene. Trooper Needham and I walked around the pickup and looked at the damage on the front end. Trooper Needham advised that a female had come to the pickup asking if she could get in. Trooper Needham left the scene a short time later.

I continued to watch the vehicle until it was deemed to be a part of the crash scene. I do not recall what time I spoke with Sgt. Snyder; but while speaking with him, a vehicle parked in front of my patrol car and two males got out of the vehicle. One of the males identified himself as a relative of the deceased. Both males were very agitated with Sgt. Snyder and I. Both males accused Sgt. Snyder and I of "covering up" what actually happened. Both males got back into their vehicle, after being told multiple times that they could not take the pickup, and left the scene.

I remained with the vehicle until it was taken by Johnny s Towing. I escorted Johnny s Towing to the Pierre Police Department evidence shed where the pickup was secured.
--- End of Supporting Narrative ---
Trooper Jordan Moses
HP126
South Dakota Highway Patrol

## Supporting Report By Joelle Schuknecht, 09/30/20 18:11

## Case \#HP20004565CR <br> Typed By Joelle Schuknecht

While on duty on September 17, 2020 at approximately 1530 hours, Sgt. Shane Snyder called me and told me that on the same night as his crash, Attorney General Jason Ravnsborg was at Rooster's in Redfield. Sgt. Snyder was unsure of the time he had left Redfield and needed me start at Rooster's and take any possible route to US 212 and look for security cameras on businesses and houses. Rooster's is located at 424 N Main St. in Redfield, SD.

I drove south on Main St and identified the following businesses that had security cameras:

- Rooster's (Camera Inside Around Bar)
- Redfield Food Center (Additional Camera in Alley)
- Dakotaland Credit Union
- City Hall (Additional Camera in Alley)
- Harr's Ford Dealership
- Appel's Quick Stop
- One Stop Gas Station

I patrolled the West side of Redfield which included the streets, W 5th Ave, W $1{ }^{\text {st }} S t, W 6^{\text {th }}$ Ave, $W 2^{\text {nd }} S t, 3^{\text {rd }}$ St $W$, $W$ $4^{\text {th }}$ Ave, W $4^{\text {th }}$ St, W $3^{\text {rd }}$ Ave, W $2^{\text {nd }}$ Ave, and W $6^{\text {th }}$ St.

I found one house, located at $609 \mathrm{~W} 2^{\text {nd }}$ St that appeared to have a security camera system on their front door. I drove westbound on US 212 and located a camera system on a corner of a barn at 38423 US 212, that appeared to watch pheasants located in a pen. I drove down the driveway and was met by the homeowner, Lonni Stover. I asked Mr . Stover if the camera located on the barn reached the highway. He told me he was unsure, but his son Kyle Stover oversees the camera system. I drove back to the barn and waited for Kyle Stover to arrive.

Kyle arrived and showed me a live view of what the camera captures. I was able to see cars passing the property on US 212. Kyle stated the camera system deletes footage after 30 days. I asked if he was able to send a portion of the recorded footage. He was unsure but gave me the telephone number of the gentleman who installed the camera system and he would be able to assist. I informed Kyle that Sgt. Snyder or Trooper John Berndt would be following up if they needed the footage.

I then drove westbound on US 212 to the town of Zell and Miller and did not notice any other security footage on houses along US 212.

On September 30, 2020, Sgt. Snyder asked me to meet Trooper Berndt in Aberdeen to relay thumb drives with video footage to the Huron Squad Office. At approximately 1800 hours, I placed the envelope with the thumb drives on Sgt. Snyder's desk as requested.

Trooper Joelle Schuknecht HP157

## Supporting Report By Nathan Moore, 10/01/20 16:07

## Highmore Fatal Assist <br> Case \#HP20004565CR <br> Typed By Nathan Moore

On September 13, 2020 at approximately 0930 hours, I was informed by Sergeant Austin Schmitz of a possible vehicular homicide in Highmore, South Dakota. I arrived on scene and found Hyde County Sheriff's Office had shut down a stretch of road near MM 278 on US 14. I remained on scene for traffic control until Trooper John Berndt, Sergeant Shane Snyder and Sergeant Kevin Kinney arrived.

Upon their arrival, I assisted Sergeant Kinney and Trooper Berndt forensically map the scene. Below are the items found and mapped:

1. Bolt
2. Black Plastic
3. Black Plastic
4. Red Paint Chip
5. Red Paint Chip
6. Red paint chip
7. Red paint chip
8. Fork
9. Fork
10. Fork
11. Red paint chip
12. Red paint chip
13. Red paint chip
14. Glass fragment
15. Solenoid
16. Black plastic
17. Black plastic
18. Red paint
19. Red paint
20. Red paint
21. Red paint
22. Red paint
23. Red paint
24. Red paint
25. Red paint
26. Red paint
27. Silver plastic
28. Socket
29. Red plastic
30. Red plastic
31. Red paint
32. Red paint
33. Red paint
34. Red plastic
35. Black plastic
36. Black plastic
37. Blood
38. Blood
39. Blood
40. Blood
41. Blood
42. Clear plastic
43. Clear Plastic
44. Clear Plastic
45. Skid plate
46. Flashlight
47. Reflective glass
48. Black Plastic
49. Black Plastic
50. Black Plastic
51. Gray Plastic
52. Metal fragment
53. Wire harness
54. Clear plastic
55. Reflective glass
56. Red paint
57. Red paint
58. Black plastic
59. Black plastic
60. Black plastic
61. Red paint
62. Red reflector
63. Socket
64. Red paint
65. Red paint
66. Clear glass
67. Clear glass
68. Reflective glass
69. Reflective glass
70. Reflective glass
71. Reflective glass
72. Clear Plastic
73. Reflective glass
74. Blood
75. Blood
76. Blood
77. Blood
78. Blood
79. Blood
80. Blood
81. Blood
82. Blood
83. Black plastic
84. Red paint
85. Reflective glass
86. Screw
87. Wire harness
88. Blood
89. Blood
90. Blood
91. Blood
92. Blood
93. Blood
94. Red Paint
95. Bumper
96. Bumper
97. Bumper
98. Bumper
99. Black plastic
100. Black Plastic
101. Black Plastic
102. Black plastic
103. Body
104. Body
105. Body
106. Body
107. Body
108. Body
109. Body
110. Body
111. Body
112. Body
113. Body
114. Body
115. Body
116. Leg
117. Leg
118. Leg
119. Leg
120. Leg
121. Leg

A few days later, I assisted Trooper Berndt with vehicle skid testing on US 14. I kept a log of the vehicle's speed during testing and turned the speeds over to Trooper Berndt. After Skid testing was completed, Black Hills Towing arrived and took possession of the vehicle. I escorted the red vehicle back to Pierre where it was secured in the Pierre Police Department Evidence Shed.

I also assisted Trooper Berndt, Sergeant Snyder and Sergeant Kinney along with North Dakota Bureau of Criminal Investigation shutting down US 14 for additional forensic testing of the scene.

On November 10, 2020 at approximately 1200 hours, I met with Nick Nemac at the Pierre Police Department and released Mr. Boever s pickup truck to Mr. Nemac. Becky Eggebrecht with the Crash Assistance Program also released some of Mr. Boever s property to Mr. Nemac. The vehicle was released at 1355 hours.

Trooper Nathan Moore HP136
South Dakota Highway Patrol

## Supporting Report By Shane Snyder, 10/03/20 14:14 <br> Case \#HP20004565CR Typed By Shane Snyder

On Sunday September $13^{\text {th }}, 2020$ at approximately 1000 hours I was advised of a fatality crash involving a pedestrian that had occurred to the west of Highmore on US 14 (MM 278 US 14). I was further advised that the crash had occurred on Saturday evening and that Attorney General Jason Ravnsborg had reported that he had struck a deer, Hyde County Sheriff Michael Volek responded, and then loaned Ravnsborg his vehicle to get home. On Sunday morning Ravnsborg returned to the scene at which time he observed the deceased pedestrian in the ditch. I was told that ND BCI was also en route to assist with the investigation.

I responded to the scene and arrived at 1131 hours. Upon arrival I observed that SDDOT had blocked off approximately a $1 / 4$ mile section of the westbound lane of MM 278. I traveled through the seen from the east end and observed nothing notable other than some skid marks (later determined to be part of a different crash) and small debris. I then parked on the west end of the scene and contacted Trooper Moore. Trooper Moore and I then walked the scene at which time I observed the deceased later identified as Joseph Boever lying just into the grass off of the paved portion of the roadway, I also observed numerous pieces of debris on the shoulder of the roadway. I walked the ditch and located Mr . Boever's right leg which had been dismembered from his body. I contacted Sheriff Volek who was on scene and asked him about the incident. The only thing he would tell me was that it occurred approximately 2230 on Saturday night.

At approximately 1221 hours, I spoke to Captain Randi Erickson by telephone who advised me to travel to Pierre and make contact with Ravnsborg at his residence and to obtain a blood sample from him. At 1307 hours I arrived at Mr. Ravnsborg's residence and was unable to contact anyone. I contacted DCI Agent Hank Prim who gave me DCI Director David Natvig's phone number. Director Natvig advised that someone would be giving me a call. A few minutes later I received a call from Attorney General Chief of Staff Tim Bormann who advised that he was with Ravnsborg and wanted to know where to meet. I told him to meet me at the Hughes County Jail. I arrived at the jail at approximately 1326 hours and a few minutes later Ravnsborg and Bormann arrived. I explained that I was requesting a sample of Ravnsborg's blood as was standard practice in a crash involving a fatality to which he agreed. At 1339 hours MLT Brenda Lounsbury withdrew two vials of blood from Ravnsborg's arm. The blood samples were sealed and kept in my possession until they were turned over to ND BCI Special Agent Joe Arenz.

Through out the day of the $13^{\text {th }}$, I assisted with the mapping of the scene, taking pictures, and assisting Sergeant Kinney, Trooper Berndt, and ND BCI.

I further learned that on the evening of September 12th, 2020, Ravnsborg was attending a Lincoln Day Dinner at Roosters Grill in Redfield, SD. After leaving Roosters he proceeded to return to his residence in Pierre when the crash occurred.

At approximately 2006 hours, ND BCI Supervisory Special Agent Arnie Rummel and I made contact with Nick Nemec and Victor Nemec at Luce, Luze, and Reck Funeral Home in Highmore at which time Nick and Victor identified the deceased as their cousin Joseph Boever.

The below is a synopsis of any follow up or investigations I have done related to this case.

September $14^{\text {th }}, 2020$
I assisted Sergeant Kinney, Trooper Berndt, and ND BCI with the searching and processing of Ravnsborg vehicle which was stored at the Pierre Evidence Impound.

September $15^{\text {th }}, 2020$

I assisted Sergeant Kinney, Trooper Berndt, and ND BCI with skid testing of Ravnsborg's vehicle at the scene of the crash.

September $16^{\text {th }}, 2020$
I reviewed audio files which I had received from the Pierre PSAP. These audio files included Ravnsborg's 911 call on the evening of the $12^{\text {th }}$, Pierre PSAP call to Sheriff Volek, and other calls related to the case. Through these files I determined that Ravnsborg called 911 on $9 / 12 / 20$ at 2224 hours to report he had hit something and that his vehicle was disabled, that the dispatcher had notified Hyde County Sheriff Mike Volek of the incident at 2226, and that Sheriff Volek requested a wrecker for the Ravnsborg vehicle at 2240 hours.

September $17^{\text {th }}, 2020$
I watched surveillance video at Dakotaland Federal Credit Union ( 509 N Main St) in Redfield in an attempt to determine which route Ravnsborg utilized when leaving Redfield as well as an exact departure time.
Ravnsborg was not seen arriving or leaving Roosters on their video system. I also reviewed surveillance video from the Redfield City Hall ( 626 Main St). Ravnsborg was not seen arriving or leaving Redfield on their video system.

I contacted Trooper Joelle Schuknecht and asked her to drive around Redfield and note any other video systems that may have possibly captured Ravnsborg's vehicle entering or leaving Redfield on September $12^{\text {th }}$. Later in the evening I assisted Sergeant Kinney and Trooper Berndt with mapping additional points at the scene while ND BCI utilized Bluestar at the scene.

September $18^{\text {th }}, 2020$
Sergeant Kinney, Trooper Berndt, and I photographed areas of Ravnsborg's car which appeared to show imprints of Boever's clothing at the Pierre Evidence Impound.

September $19^{\text {th }}, 2020$
I traveled to Redfield and made contact with Kyle Stover (38423 US 212) who Trooper Schuknecht had advised me had security camera footage from September $12^{\text {th }}$. Kyle put me in contact with Aaron Lorenzen at Dakota Surveillance who installed his camera system. I told Aaron what I was looking for and he said that he would begin working on getting me the video files.

I also made contact with Jeremy Fink who has a residence on the east side of Zell. Fink has a camera visible on the west side of his residence.

I continued west on US 212 and then south on SD 45. While traveling south I observed a camera at Pheasant Country Grain Storage north of Miller. I phoned Mike Rogers who put me in contact with Jason Binger. Jason came and allowed me to observe video footage from the $12^{\text {th }}$ and allowed me to back up his footage onto a USB. I left the USB with Jason as the backup was taking a while.

While returning to Redfield on US 212 I observed a camera mounted to a barn at 36501 US 212. I made contact with

September $20^{\text {th }}, 2020$
I made contact with Jason Binger. Binger advised that the backup had completed but that he was leaving town for the day. I made arrangements to pick up the USB on Monday.

I also spoke to Aaron Lorenzen who was going to Redfield to attempt to retrieve the video files from Stover's camera.

At approximately 1416 hours I received a call from the Pierre PSAP. They advised the Nick Nemec had called and had information for a possible witness. I made contact with Nick by telephone who told me that Georgette

Cermak (605)852-2110 had seen Boever walking along the highway on the evening of the $12^{\text {th }}$. I forwarded that information onto BCl Agents Rummel and Arenz.

September $21^{\text {st }}, 2020$
I received the USB which contained video for Pheasant Country Grain. I also compared the time on the camera to the real time and found that the camera was 13 minutes ahead of real time. After receiving the USB, I traveled to Harr Motors ( 714 Main St) and Well Fargo (25 W 6th Ave) in Redfield, neither place of business had any cameras located where it would capture video we were looking for. I also viewed video at Redfield Food Center ( 516 Main St), they had no video footage that pertained to this case.

I viewed the video that was received from Pheasant Country Grain. I found that video file:
(Camera1_20200912162252) from Pheasant Country Grain contained Ravnsborg's vehicle northbound on SD 45 at 1626 hours (Real time: 1613 hours). Further review of the camera footage showed that the nighttime video showed numerous vehicles southbound but due to video quality I was unable to discern make and model of vehicles.

September $22^{\text {nd }}, 2020$
I stopped at $1^{\text {st }}$ Stop Truck Stop along US 14 east of Pierre. They advised that they only keep surveillance footage for 72 hours and would not be able to help us. Along with Sgt Kinney I proceeded to The Junction Truck Stop west of Blunt. We viewed camera footage from September $12^{\text {th }}$ and did not see Ravnsborg coming or going on camera.

September $23^{\text {rd }}, 2020$
Sergeant Kinney, Trooper Berndt, and I received verbal consent by telephone from Will Boever (Brother of Joseph Boever) to conduct a search of Joseph Boever's vehicle which was stored at the Pierre Police Department Evidence Impound. Will Boever was designated by Joseph Boever's family to be point of contact for the family. While searching and conducting an inventory of the vehicle we found
The bottle at time of discovery contained 12 tablets. I took photographs of the bottle and contents, and then took possession of them until they were turned over to BCI Special Agent Joe Arenz as evidence.

September $24^{\text {th }}, 2020$
Sergeant Kinney, Trooper Berndt, and I mapped additional points at the scene of the crash. I also traveled to Farm Tech in Miller where Trooper Berndt had received surveillance camera footage earlier. I compared the time on the camera to the real time and found that the camera was 17 seconds ahead of real time.

I also received surveillance video footing from Aaron Lorenzo from Kyle Stover's camera. I found video file: (IP Camera4_Kyle Stover Kyle Stover_20200913161448_20200913165258_185666225) contained Ravnsborg's vehicle on September $13^{\text {th }}, 2020$ at 1648 hours. I confirmed with Lorenzo who advised that Stover's camera was 24 hours and 6 minutes fast making the real time that Ravnsborg's car was on camera as September $12^{\text {th }}, 2020$ at 1642 hours. Further review of the camera footage showed that the nighttime video showed numerous vehicles westbound but due to video quality I was unable to discern make and model of vehicles.

Later in the evening I assisted Sergeant Kinney, Trooper Berndt, and BCI Special Agents Rummel and Arenz with conducting testing with a walker wearing like clothing and a flashlight just as Joseph Boever would have been the night of the crash.

September $25^{\text {th }}, 2020$
Sergeant Kinney and I traveled to Mashek Food Center in Highmore where we reviewed and downloaded security camera footage from September $12^{\text {th }}, 2020$. We found that video file: (ch09_20200912212736 and ch09_20200912213037) contain footage of Joseph Boever walking northbound along the sidewalk at 2131 hours. We also confirmed that the camera clock to real time was exact.

Later that evening Sergeant Kinney, Trooper Berndt, and I conducted testing utilizing an exemplary vehicle. We drove the vehicle to Redfield and traveled numerous routes from Roosters Bar and Grill leaving Redfield on US 212. We then left Roosters Bar and Grill and timed how long it would take to travel to the scene of the crash. This testing was timed by Sergeant Kinney and Trooper Berndt while I drove.

September $30^{\text {th }}, 2020$
Sergeant Kinney and I assisted BCI Agents with the serving of a search warrant on $\square$ in Highmore, SD. As a result of the search warrant we seized two surveillance video DVR's which were taken into custody by BCl .

I also received video surveillance video from the Highmore Highschool as it may have been on the route Joseph Boever walked on the night of September $12^{\text {th }}$. While reviewing the video I did not see Mr. Boever on the video.

October $7^{\text {th }}, 2020$
I spoke with Gateway Ford in Pierre SD where Mr. Ravnsborg had his vehicle serviced. They stated that the last time they worked on the vehicle they replaced sparkplugs and plug wires. They further stated that nothing had ever been noted in the service record that the speedometer was not working properly.

October $14^{\text {th }}, 2020$
I spoke with Sgt Vince Kurtz of the Iowa State Patrol and asked if we could search lowa crash reports for Mr. Ravnsborg. He stated that he could and that he would get back to me.

October $15^{\text {th }}, 2020$
I spoke with Sgt Vince Kurtz of the lowa State Patrol. Sgt Kurtz stated that they searched crash reports dating back to 2001. Sgt Kurtz advised he did not find any reports that involved Mr. Ravnsborg.

October 18th 22nd, 2020
I reviewed offline NCIC search data based off Mr. Ravnsborg name and vehilces he was known to drive. I also ran an SD driver license history, SDHP warning and citation records search (these would only be warnings and citations issued by SDHP Troopers), and SD UJS search on Mr. Ravnsborg. Once completed I was able to merge all the records together to show a combined driving history for Mr. Ravnsborg for a multi state area. I also called and spoke to some of the agencies that had contact with Mr. Ravnsborg about the particulars of some of the stops. Some agencies agreed to share video of the stops. My compiled record is below:

9/8/96 - Speeding (6-10 over) and Seatbelt - IA Citation
9/1/03 - Speeding (11-15 over) - IA Citation
1/3/14 - Speeding (55 in 45) - SD Citation
3/29/14 - Speeding (40 in 30) - SD Citation
3/23/15 - Speeding (1-5 over) - SDHP Mike Boyd - Speeding and No Proof of Insurance - Warning
5/7/15 - Speeding (85 in 65) - SDHP Trooper Patrick Bumann - Citation
7/28/15 - Improperly Equipped Vehicle - Yankton PD Citation

- UJS shows an exhaust vo at on, 58 shows a safety cha $\mathrm{n} v \mathrm{o}$ at on, YPD records show he was c ted for a stop s gn vo at on and warned for no proof of nsurance

11/2/15 - Concord, NH PD

- No record found

1/29/16 - Report - Yankton PD

- W tness to protect on order vo at on

2/16/16 - Sully County SO
4/6/16 - Concord NH PD

- No record found

4/17/16 Speeding Traffic Stop - Pennington SO Deputy Kintigh Warning

- Does not reca stop

9/4/16 - Speeding (39 in 30) - Yankton PD - Verbal

- No further nfo

2/22/17 - Phoned in to talk to Sheriff - Butte County SO

- They run everyone that ca s n

3/24/17 - Failure to wear Seatbelt - SDHP Trooper Josh Siferd - Citation / Speeding (6-10 over), No Proof of Insurance, No Proof of Registration-SDHP Trooper Siferd - Warning

5/8/17 - Speeding (75 in 70) - SDHP Trooper Cody Jansen - Citation
2/2/18 - Traffic Stop - Stanton County SO Deputy Wiebelhouse - Warning

- No further nfo

3/28/18 - Traffic Stop - Speeding - Yankton PD - Verbal

- No further nfo

4/6/18 - Speeding (80 in 65) - SDHP Tooper Shann Barrick - Citation
6/20/18 - Speeding (6-10 over) - SDHP Trooper Sean Needham - Warning
8/31/18 - Speeding (40 in 35) - Huron PD -SD Citation
10/01/18 - Headlight out - Yankton PD - Verbal

- No Further Info

4/27/19 - Speeding (40 in 30 ??)- SDHP Trooper Jordan Staab - Verbal

- Immed atey dent fed hmsefas AG
- To d off cer he was the AG en route to NG tranng n Freemont dr v ng State veh ce / v deo obta ned


## 8/1/19 - ?? Sioux City PD

- No record found

9/7/19 - Traffic Stop - Hot Springs PD

- No further nformat on


## 11/07/19 - Speeding - SDHP Trooper Andrew Buns Verbal Warning

- Can t remember a speed but thought $t$ may have been 10 or more over


## 2/26/20 - Speeding (50 in 35) - Gettysburg PD - Verbal warning

- To d off cer he was the AG and was n a hurry to go meet ng n C ark, fe t speed was necessary due to meet $\mathrm{ng} / \mathrm{v}$ deo on $y$ ava abe w th a etter of ntent

6/20/20 - Speeding (65 in 55) - ISP Warning

- Produced badge and dent fed poston $/ \mathrm{v}$ deo of stop obta ned

7/23/20 - Improper Lane Change - SDHP Trooper Nathan Moore - Warning - Trooper Moore submitted a synopsis of the stop on the bottom of his narrative.

9/6/20 - Huron PD Dornacker

- Stop s gn vo at on - verba warn ng / narrat ve obta ned /BWC footage obta ned

November 18th, 2020
I received the results of a prescription drug check on Mr. Boever. (See Attached: Boever PDMP)
November 19th, 2020
I received video for September 12th, 2020 that was obtained through a search warrant served on
. Through review of the videos I noted four videos which appear to show the Ravnsborg vehicle. At no time during the review of the videos did I see Mr. Boever.

The noted video files are:
Video file (CH01_2020-09-12_221808_2020-09-12_221847_ID082171.AVI) specifically 00:27:00 minutes into video appears to show the Ravnsborg vehicle driving westbound on US 14.

Video file (CH03_2020-09-12_221410_2020-09-12_221524_ID083980.AVI) is used as a reference video to show the view to the west along US 14.

Video file (CH03_2020-09-12_221918_2020-09-12_221944_ID083981.AVI) shows what appears to be a set of hazard lights down the road to the west in the area of where the Ravnsborg vehicle would have stopped after the crash.

Video file (CH03_2020-09-12_222834_2020-09-12_222904_ID083982.AVI) shows what appears to be the amber
lights of a law enforcement vehicle in the same area the hazard lights were seen in the previous video.

November 20th, 2020:
Through the driving record review I did on Mr. Ravnsborg, I determined that the SDHP had conducted nine traffic stops on Mr. Ravnsborg, of those nine stops seven of the Troopers were still employed by SDHP. I contacted the Troopers by email and directed them to complete a case report on the stops. Those Troopers and there respective reports are below, Mike Boyd and Josh Siferd no longer work for SDHP so I was unable to obtain reports from them:

| DATE | OFFICER | TICKET\# | CFS | VIOLATION |
| :--- | :--- | :--- | :--- | :--- |
| 03/23/2015 | Mike Boyd | A165663-HP | HP15031670 | Speeding 1-5, No Insurance |
| $05 / 07 / 2015$ | Patrick Bumman | A186000-HP | HP15052031 | Speeding 88 in a 65 |
| $03 / 24 / 2017$ | Josh Siferd | B220222-HP | $17-072505$ | No Seatbelt / Speeding 6-10, No Insurance, No Proof Re! |
| $05 / 08 / 2017$ | Cody Jansen | B333456-HP | $17-114102$ | Speeding 77 in a 70 |
| $04 / 06 / 2018$ | Shann Barrick | B451713-HP | $18-093348$ | Speeding 82 in a 65 |
| $06 / 20 / 2018$ | Sean Needham | B483566-HP | $18-177264$ | Speeding 6-10, |
| 04/27/2019 | Jordan Staab |  | $19-107595$ | Speeding |
| 11/07/2019 | Andrew Buns |  | $19-325571$ | Speeding |
| $07 / 23 / 2020$ | Nathan Moore | B705070-HP | $20-180232$ | Improper Lane Change |

November 24th, 2020:

I received video for September 13th, 2020 that was obtained through a search warrant served on Through review of the videos I noted two videos which appear to show Ravnsborg pulling up in a light colored Ford Edge (Sheriff Volek s personal vehicle) and Bormann pulling up in a red Jeep. The Ford Edge stops to fill gas and both parties talk near the fuel island.

The noted video files are:
Video file (CH01_2020-09-13_080700_2020-09-13_090659_ID02306.AVI) specifically 00:36:25 minutes into video.
Video file ( CH 02 _2020-09-13_080700_2020-09-13_090631_ID02330.AVI) specifcally 00:35:16 mintues into video.

Shane D. Snyder<br>Sergeant<br>South Dakota Highway Patrol

## Supporting Report By Shane Snyder, 12/02/20 17:49

## Case \#HP20004565CR

Typed By Shane Snyder

On September $16^{\text {th }}, 2020$ I was notified that the speed limit sign on US 14 near mile mark 278 had been moved by SDDOT on Monday September 14th, 2020. I made contact with SDDOT Huron Area Engineer Brad Letcher who was able to provide me with the Admin Rule for the adopted speed limit change, the 811 locate for the new posts, and the timesheet for John Weigel who moved the sign. Upon further research I discovered the that amended rule for the speed limit change was authorized on July $23^{\text {rd }}$, 2020. The amendment rule change can be found in attachment (Admin Rules ADOPTED 7-23-2020). The amended rule moved the 45 MPH zone which ended 0.16 miles west of the intersection with SD 47 to a distance of 0.3 miles west of the SD 47 intersection. This change did not change the speed limit in what was determined to be the area of impact.

Shane D. Snyder<br>Sergeant<br>South Dakota Highway Patrol

## Supporting Report By Kevin Kinney, 12/03/20 10:13 <br> Case \#HP20004565CR Typed By Kevin Kinney

On 12/03/2020 at 0845 hours I contacted Nationwide Ins Co of America's main office at (800) 882-2822 in reference to this case. After a lengthy process of trying to speak to a real person I ended up talking with an Alicen. She provided me with the claim number for the crash. The Claim \# is 026276GL and then she let me know that any questions I had would need to be handled through their assigned insurance adjuster. Alicen told me that the insurance adjuster is Lauren at

On 12/03/2020 at 0900 hours I contacted the insurance adjuster, Lauren. Lauren immediately knew which case I was calling in reference to beings it was her only South Dakota case. She asked if I was referring to Jason's claim, which I said yes. She let me know that she would try to answer my questions, but was unsure what she could tell me. I asked if the initial phone calls are recorded when a claim is made and she advised that she did not know. She said that statements that are made to adjusters are recorded, but that she has never talked to Jason because his case was given to an attorney right away to handle for confidentiality reasons. She advised that the attorney is Steve Oberg from Lynn, Jackson, Schultz and Lebrun in Rapid City. His direct phone number is

I have not contacted Steve Oberg at this time.
No further action was taken by me in reference to this contact.
SGT Kevin R. Kinney, HP039

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 | 1FAHP2FW3BG149248 |
| :--- | :--- |
| User | Berndt |
| Case Number | HP20004565CR |
| EDR Data Imaging Date | $09 / 14 / 2020$ |
| Crash Date | $09 / 12 / 2020$ |
| Filename | 1FAHP2FW3BG149248 ACM.CDRX |
| Saved on | Monday, September 14 2020 at 13:49:40 |
| Imaged with CDR version | Crash Data Retrieval Tool 19.4 |
| Imaged with Software Licensed to (Company | South Dakota Highway Patrol |
| Name) | Crash Data Retrieval Tool 19.4 |
| Reported with CDR version | South Dakota Highway Patrol |
| Reported with Software Licensed to (Company | Name) |
| EDR Device Type | Airbag Control Module |
| ACM Adapter Detected During Download | Yes |
| Event(s) recovered | None |

## Comments

Car vs pedestrian
Joseph Boever fatal
US 14 near Highmore
Ravnsborg vehicle
2011 Ford Taurus
The retrieval of this data has been authorized by the vehicle's owner, or other legal authority such as a court order or search warrant, as indicated by the CDR tool user on Monday, September 142020 at 13:49:40.

## Data Limitations

## Restraints Control Module Recorded Crash Events:

Deployment Events cannot be overwritten or cleared from the Restraints Control Module (RCM). Once the RCM has deployed any airbag device, the RCM must be replaced. The data from events which did not qualify as deployable events can be overwritten by subsequent events. The RCM can store up to two deployment events.

## Airbag Module Data Limitations:

Restraints Control Module Recorded Vehicle Forward Velocity Change reflects the change in forward velocity that the sensing system experienced from the point of algorithm wake up. It is not the speed the vehicle was traveling before the event. Note that the vehicle speed is recorded separately five seconds prior to algorithm wake up. This data should be examined in conjunction with other available physical evidence from the vehicle and scene when assessing occupant or vehicle forward velocity change.
Event Recording Complete will indicate if data from the recorded event has been fully written to the RCM memory or if it has been interrupted and not fully written.
If power to the Airbag Module is lost during a crash event, all or part of the crash record may not be recorded.
For 2011 Ford Mustangs, the Steering Wheel Angle parameter indicates the change in steering wheel angle from the previously recorded sample value and does not represent the actual steering wheel position.

## Airbag Module Data Sources:

Event recorded data are collected either INTERNALLY or EXTERNALLY to the RCM.

- INTERNAL DATA is measured, calculated, and stored internally, sensors external to the RCM include the following:
> The Driver and Passenger Belt Switch Circuits are wired directly to the RCM.
> The Driver's Seat Track Position Switch Circuit is wired directly to the RCM.
> The Side Impact Sensors (if equipped) are located on the side of vehicle and are wired directly to the RCM.
> The Occupant Classification Sensor is located in the front passenger seat and transmits data directly to the RCM on highspeed CAN bus.
> Front Impact Sensors (right and left) are located at the front of vehicle and are wire directly to the RCM.
- EXTERNAL DATA recorded by the RCM are data collected from the vehicle communication network from various sources such as Powertrain Control Module, Brake Module, etc.


## System Status at Time of Retrieval

| VIN as programmed into RCM at factory | 1FAHP2FW3BG149248 |
| :--- | ---: |
| Current VIN from PCM | 1FAHP2FW3BG149248 |
| lgnition cycle, download (first record) | N/A |
| lgnition cycle, download (second record) | N/A |
| Restraints Control Module Part Number | BG13-14B321-AC |
| Restraints Control Module Serial Number | 7109360200000000 |
| Restraints Control Module Software Part Number (Version) | BL84-14C028-AB |
| Left/Center Frontal Restraints Sensor Serial Number | 13335AF3 |
| Left Side Restraint Sensor 1 Serial Number | 270352F1 |
| Left Side Restraint Sensor 2 Serial Number | 133DDC2A |
| Right Frontal Restrains Sensor Serial Number | 1336DAA0 |
| Right Side Restraint Sensor 1 Serial Number | 376325F1 |
| Right Side Restraints Sensor 2 Serial Number | 133C8FDA |

## 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.

```
00 00 00 00
42}47
37}313\mp@code{30}39\mp@code{33}36630 32 30 30 30 30 30 30 30 30,
42 4C 38 34 2D 31 34 43 30 32 38 2D 41 42 00 00 00 00 00 00 00 00 00 00
13}333\mathrm{ 5A F3 00 00 00 00 00 00 00 00 00 00 00 00
27 03 52 F1 00 00 00 00 00 00 00 00 00 00 00 00
13 3D DC 2A 00 00 00 00 00 00 00 00 00 00 00 00
13}366\mathrm{ DA AO OO OO OO O0 00 00 00 00 00 00 00 00
37 63 25 F1 00 00 00 00 00 00 00 00 00 00 00 00
13 3C 8F DA 00 00 00 00 00 00 00 00 00 00 00 00
```



```
31 46 41 48 50 32 46 57 33 42 47 31 34 39 32 34 38 00 00 00 00 00000
```


## Event Record 1

FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

```
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF
```


## Event Record 2

FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

```
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF
```


## 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.
\# STATION Khon
\# \#TAATION NAME Huron
\# LATITUOD 44.38806
\# LATTUDE 44.38806
\# LONGITUDE -98.22833
\# LONGITUDE -98.22833
\# ELEVATION [ft] 1286
\# STATE SD
Station_ID
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHON
KHoN
KHON
KHON
KHON
altimeter_set_1 air_temp_set_1 dew_point_temperature_set_1d relative_humidity_set_
wind_speed_se
Miles/hour
t_1 wind_
wind_gust_set_1 wind_direction_set_1
-1 wind_crardinal_direction_set_1d
precip_accum_one_hour_set_1
visibility_set_1
Statute milesthe
cote
10 clear 09/12/2020 2105 CDT 09/12/2020 2110 CDT $09 / 12 / 2020110 \mathrm{CDT}$
$09 / 12 / 2020215 \mathrm{CDT}$
$09 / 12 / 20202120 \mathrm{CDT}$ 09/12/2020 2121 CD
$09 / 12 / 20202125 \mathrm{CD}$ 09/12/2020 2129 CDT 09/12/2020 2130 CD 09/12/2020 2135 CDT $09 / 12 / 20202135 \mathrm{CD}$
$09 / 12 / 20202140 \mathrm{CD}$
0912120202145 CD 09/12/2020 2145 CDT
$09 / 12 / 20202148$ CDT 09/121/202021 48 CD
$09 / 12 / 20202150 \mathrm{CD}$
09 09/12/2020 2155 CDT 09/121/2020 2200 CD
$09 / 12 / 20202205 \mathrm{CD}$ 09/12/2020 2210 CDT 09/12/2020 2215 CD 09/12/2020 2220 CDT 09/12/2020 2225 CDT 09/12/2020 2230 CDT
$09 / 12 / 20202235$ CDT $09 / 12 / 220202240$ CDT
$09 / 12 / 20202245$ CDT 09/12/2020 2245 CDT

|  |  |  |
| :---: | :---: | :---: |
| 29.98 | 53.6 | 53.6 |
| 29.99 | 53.6 | 53.6 |
| 29.99 | 53.6 | 53.6 |
| 29.99 | 53.6 | 51.78 |
| 29.99 | 53.6 | 53.6 |
| 29.99 | 53.96 | 53.96 |
| 29.99 | 53.6 | 53.6 |
| 29.99 | 53.06 | 53.06 |
| 29.99 | 53.6 | 53.6 |
| 29.99 | 53.6 | 53.6 |
| 29.99 | 51.8 | 51.8 |
| 29.99 | 51.8 | 51.8 |
| 29.99 | 51.08 | 51.08 |
| 29.99 | 51.8 | 51.8 |
| 29.99 | 51.08 | 51.08 |
| 29.99 | 51.8 | 51.8 |
| 29.99 | 51.8 | 51.8 |
| 29.99 | 53.6 | 51.78 |
| 29.99 | 53.6 | 51.78 |
| 29.99 | 53.6 | 51.78 |
| 29.99 | 53.6 | 53.6 |
| 29.99 | 53.6 | 53.6 |
| 29.99 | 53.6 | 53.6 |
| 30 | 53.6 | 51.78 |

100
100
100
93.6
100
100
100
100
100
100
100
100
100
100
100
100
100
93.6
93.6
93.6
100
100
100
93.6
93.6
Degrees
 10 clear
10 clear 10 clear
10 clear
8 clear 10 clear
8 clear
2 mist
$\underset{1.5 \text { mist }}{2 \text { mist }}$
1.5 mist
0.75 mist
0.75 mist
0.25 fog
0.25 fog
0.25 fog
0.25 fog
0.25 fog
1 mist

1 mist
2.5 mist
2.5 mist
2 mist
2

2 mist
5 mist
5 mist
6 mist
6 mist
6 mist
7 clear
7 clear
9 clear
9 clear
9 clear
9 clear
10 clear
10 clear
10
10 clear
10 clear
10 clear
10 clear
10 clear
\# STATION KPIR
\#STATION NAME
\#STAON KPR
\#STATON NAME Pierre
\# LATTIUDE 44.38278
Pierre Regional Airport \# Latitude 44.38278
\# LONGITUDE - 100.28583
\#ELEVATION [ft) 1742
\# STATE SD
Station_ID

Date_Time

Iltimeter_set_1 air_temp_set_1 dew_point_temperature_set_1d rela

| et_1 | wind_speed_set_1 | wind_gust_set_1 | wind_direction_set_1 | wind_cardinal_direction_set_1d | precip_accum_one_hour_set_1 | visibility_set_1 | weather_summary_set_1d |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Miles/hour | Miles/hour | Degrees | code | Inches | Statute miles | code |
| 63.18 | 0 |  |  | 0 N |  |  | 0 clear |
| 67.57 | 0 |  |  | 0 N |  |  | 0 clear |
| 67.57 | 0 |  |  | 0 N |  |  | 0 clear |
| 76.68 | 0 |  |  | 0 N |  |  | 0 clear |
| 76.68 | 0 |  |  | 0 N |  |  | 0 clear |
| 76.85 | 0 |  |  | 0 N |  |  | 0 clear |
| 76.85 | 0 |  |  | 0 N |  |  | 0 clear |
| 80.42 | 0 |  |  | 0 N |  |  | 0 clear |
| 76.85 | 0 |  |  | 0 N |  |  | 0 clear |
| 76.85 | 0 |  |  | 0 N |  |  | 0 clear |
| 76.85 | 0 |  |  | 0 N |  |  | 0 clear |
| 82.01 | 0 |  |  | 0 N |  |  | 0 clear |
| 76.68 | 0 |  |  | 0 N |  |  | 0 clear |
| 81.88 | 3.45 |  | 176 | s |  |  | 0 clear |
| 81.88 | 3.45 |  |  | SSE |  |  |  |



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 | 1FTRW08L63KA82524 |
| :--- | :--- |
| User | Berndt HP195 |
| Case Number | HP20004565CR |
| EDR Data Imaging Date | $09 / 23 / 2020$ |
| Crash Date | $09 / 12 / 2020$ |
| Filename | 1FTRW08L63KA82524_ACM.CDRX |
| Saved on | Wednesday, September 23 2020 at 11:49:14 |
| Imaged with CDR version | Crash Data Retrieval Tool 19.3.1 |
| Imaged with Software Licensed to (Company | South Dakota Highway Patrol |
| Name) | Crash Data Retrieval Tool 19.3.1 |
| Reported with CDR version | South Dakota Highway Patrol |
| Reported with Software Licensed to (Company | Airbag Control Module |
| Name) | Non-Deployment |
| Event(s) recovered |  |

## Comments

## Boever vehicle

2003 Ford F150
US 14 north ditch, Hyde County
Towed on 09/13/20
265/70/17
D2M 274 no adapter
Consent from Will Boever

The retrieval of this data has been authorized by the vehicle's owner, or other legal authority such as a court order or search warrant, as indicated by the CDR tool user on Wednesday, September 232020 at 11:49:14.

## Data Limitations <br> Important Limitations on Bosch Crash Data Retrieval (CDR) Tool Capabilities.

Disclaimer: This Restraint Control Module (RCM) records longitudinal deceleration data for the purpose of understanding the input data the Restraint Control Module used to determine whether or not to deploy restraint devices. This module does not record vehicle speed, throttle position, brake on-off, and other data, which may be recorded in some 1999 model year and later General Motors modules. The deceleration data recorded by Ford's module during a crash can subsequently be mathematically integrated into a longitudinal Delta-V. Delta-V is the change in velocity during the recording time and is NOT the speed the vehicle was traveling before the accident, and is also not the Barrier Equivalent Velocity. The Bosch CDR Tool will read and interpret both acceleration in G's and Delta-V in mph. RCM's in Ford vehicles that can be read by the Bosch CDR tool are listed in the Bosch Help Files.

## Important

If there is any question that the restraint system did not perform as it was designed to perform, please read the system only through the diagnostic link connector. The Bosch CDR kit provides an RCM interface cable to plug directly into the restraint control module. The Bosch CDR RCM Interface Cable connects only power, ground, and memory read pins to the relevant vehicle restraint control module. The other RCM pins normally connect to inputs, such as sensors, and outputs, such as airbags, are not connected when you use the RCM Interface Cable to plug directly into the module. Since the vehicle restraint control module is constantly monitoring airbag system readiness (when powered), it will detect that the sensors and airbags are not connected. The restraint control module may record a new diagnostic trouble code into memory for each device that is not connected. These new diagnostic trouble codes may record over previously written diagnostic trouble codes present prior to the accident and spoil evidence necessary to determine if the restraint system performed in the accident as it was designed to perform. Not only could this prevent Ford from being able to determine if the system performed as it was designed to perform, but, regardless of innocent inadvertence, you could raise issues of evidence spoliation in any litigation that may arise out of the accident. If you cannot read the module via the diagnostic link connector, and if you suspect improper system performance, contact Ford Motor Company and request their assistance to read the module with a proper vehicle simulator attached.

While data stored in RCM's is accurate, accident reconstructionists must be aware of the limitations of the data recorded in Ford's control modules and should compare the recorded data with the physical evidence at the accident scene using professional accident reconstruction techniques (i.e. vehicle crush characteristics, skid marks, etc) before making any assumptions about the import and validity of the data recorded in the module with respect to the crash event being analyzed. The following descr bes specific limitations that must be considered when analyzing recorded data. Investigators should obtain permission of the vehicle owner or have sufficient legal authority prior to reading any data.

1. There may be no deceleration data recorded in the module.

Loss of power (cut wires, damaged battery, crushed fuse box) to the module during or immediately after the crash may prevent the crash data from being recorded. A backup power supply within the module has sufficient power to continue to analyze the deceleration data and deploy restraint devices if needed, but there is no backup power for recording.

If the deceleration input does not create a vehicle longitudinal Delta-V above 4 mph within 100 milliseconds, there may not be any data recorded.
2. In unusual circumstances, deceleration data stored in the module may be from a crash other than the one you are currently analyzing.
The module will record data from some non-deploy events. If, after the module has recorded data from a non-deploy event, and there is a subsequent event in which there is a loss of power and no new recording is made for that subsequent event, the deceleration data in the module's memory may be from the prior event. If the new, subsequent event is a deploy event and recording has occurred, the deployment times should be recorded. If there are no deployment times recorded, but airbags or other restraint devices are observed to have deployed, the recorded data that you read are most I kely from a prior event.

Once an airbag or other restraint device has been commanded to deploy, the data recorded in connection with that deployment are "locked", and subsequent crashes cannot be recorded.

If a vehicle is being repaired, the RCM should be replaced after any crash in which restraint devices deploy. Early printed shop manuals refer to re-using modules by clearing the "crash data memory full" code, but this is no longer true and the latest on-line electronic shop manual directs that modules be replaced.

Crashes that involve multiple impacts will record only one of the impacts. If there is a deployment, the deployment event will be recorded and locked. If no restraint device is commanded to deploy, the recorded data are not "locked", and subsequent impacts may record over any previous recorded data. Further analysis will be required to determine which of the events was actually recorded.

## 3. The computed longitudinal Delta-V may understate the total Delta-V

Many real-world crashes can last longer than the memory has the capacity to record. Therefore, the actual Delta-V of the event may be higher than the Delta-V calculated and displayed by the Bosch CDR System output. Review the end of the longitudinal acceleration/deceleration pulse - if it has not settled to zero G's by the end of the recording, the vehicle longitudinal Delta-V is most likely understated. If there is a clear decaying trend line you may choose, at your own risk, to estimate the total Delta-V by extrapolating the decay trend to zero and to calculate the additional Delta-V not captured.

Under some circumstances where power is interrupted, during the recording of data, or the module re-sets during the recording of data, a partial recording may occur. This will be shown as "no data" in the data table and will not be plotted on the graph of acceleration. When some portion of the acceleration data is not recorded, the Delta-V during that time cannot be calculated. A Delta-V will be calculated for the points that are valid, but the user must be aware that the partial Delta-V calculated will further underestimate the actual event total Delta-V.
4. This module records only longitudinal acceleration/deceleration of the vehicle. You must compute lateral or resultant total acceleration based on your estimated Principal Direction of Force (PDOF).
5. Vertical acceleration/decelerations are not recorded. Vehicle spin about a point not centered on the Restraints Control Module sensor may add or subtract from bulk vehicle motion.
6. This module is not intended to record acceleration/deceleration in a side-impact event. If the side impact generates a longitudinal deceleration component sufficient to wake up the frontal deployment algorithm, there may be a recording of longitudinal deceleration in a side impact event.

Any Longitudinal Delta-V determined by using data read from the air bag module should be verified with physical evidence from the crash (such as vehicle crush, skid marks) and assumed accident sequence. Multiple impacts, angular collisions, side impacts, vehicle spin, etc should be considered in addition to the data read from the air bag module.
System Status At Non-Deployment

| Diagnostic codes active when event occurred | 0 |
| :--- | ---: |
| Passenger Airbag Switch Position During Event | Activated |
| Time From Side Safing Decision to Left (Driver) Side Bag Deployment (msec) | Not Deployed |
| Frontal and Pretensioner Fire time (ms) | 0 |



## Crash Pulse Data

| Milliseconds | Long. Acceleration (Gs) | Long. Cumulative Delta V (MPH) |
| :---: | :---: | :---: |
| 1 | -1.03 | -0.02 |
| 2 | -1.03 | -0.05 |
| 3 | -1.54 | -0.08 |
| 4 | -1.54 | -0.11 |
| 5 | -1.54 | -0.15 |
| 6 | -1.54 | -0.18 |
| 7 | -1.54 | -0.21 |
| 8 | -2.06 | -0.26 |
| 9 | -1.54 | -0.29 |
| 10 | -1.54 | -0.33 |
| 11 | -0.51 | -0.34 |
| 12 | 1.03 | -0.32 |
| 13 | 0.00 | -0.32 |
| 14 | -4.11 | -0.41 |
| 15 | -4.11 | -0.50 |
| 16 | -1.03 | -0.52 |
| 17 | -4.11 | -0.61 |
| 18 | -4.11 | -0.70 |
| 19 | -0.51 | -0.71 |
| 20 | -2.06 | -0.76 |
| 21 | -0.51 | -0.77 |
| 22 | -2.57 | -0.82 |
| 23 | -2.57 | -0.88 |
| 24 | -4.11 | -0.97 |
| 25 | -2.57 | -1.03 |
| 26 | -1.03 | -1.05 |
| 27 | -3.60 | -1.13 |
| 28 | -2.57 | -1.18 |
| 29 | -4.11 | -1.28 |
| 30 | -5.65 | -1.40 |
| 31 | -2.57 | -1.46 |
| 32 | -4.11 | -1.55 |
| 33 | -2.06 | -1.59 |
| 34 | -3.08 | -1.66 |
| 35 | -2.57 | -1.72 |
| 36 | -3.08 | -1.78 |
| 37 | -3.60 | -1.86 |
| 38 | -4.11 | -1.95 |
| 39 | -2.57 | -2.01 |
| 40 | -4.11 | -2.10 |
| 41 | -5.14 | -2.21 |
| 42 | -5.14 | -2.32 |
| 43 | -4.63 | -2.43 |
| 44 | -4.63 | -2.53 |
| 45 | -3.60 | -2.61 |
| 46 | -3.60 | -2.69 |
| 47 | -4.11 | -2.78 |
| 48 | -4.63 | -2.88 |
| 49 | -3.60 | -2.96 |
| 50 | -4.63 | -3.06 |


| Milliseconds | Long. Acceleration (Gs) | Long. Cumulative Delta V (MPH) |
| :---: | :---: | :---: |
| 51 | -3.60 | -3.14 |
| 52 | -5.65 | -3.26 |
| 53 | -4.11 | -3.35 |
| 54 | -5.65 | -3.48 |
| 55 | -5.14 | -3.59 |
| 56 | -5.14 | -3.70 |
| 57 | -6.68 | -3.85 |
| 58 | -6.17 | -3.98 |
| 59 | -0.51 | -3.99 |
| 60 | 1.54 | -3.96 |
| 61 | 0.51 | -3.95 |
| 62 | -5.65 | -4.07 |
| 63 | -4.11 | -4.16 |
| 64 | -2.06 | -4.21 |
| 65 | -5.65 | -4.33 |
| 66 | -7.71 | -4.50 |
| 67 | -5.65 | -4.63 |
| 68 | -10.28 | -4.85 |
| 69 | -1.54 | -4.89 |
| 70 | 1.54 | -4.85 |
| 71 | 1.03 | -4.83 |
| 72 | -1.03 | -4.85 |
| 73 | -2.06 | -4.90 |
| 74 | -8.22 | -5.08 |
| 75 | -2.57 | -5.13 |
| 76 | -2.57 | -5.19 |
| 77 | -2.57 | -5.25 |
| 78 | 0.51 | -5.24 |
| 79 | -2.57 | -5.29 |
| 80 | -1.03 | -5.32 |
| 81 | 0.00 | -5.32 |
| 82 | -1.54 | -5.35 |
| 83 | -2.06 | -5.39 |
| 84 | -0.51 | -5.41 |
| 85 | -1.03 | -5.43 |
| 86 | -1.03 | -5.45 |
| 87 | 0.51 | -5.44 |
| 88 | -1.03 | -5.46 |
| 89 | 0.00 | -5.46 |
| 90 | 1.03 | -5.44 |
| 91 | 0.51 | -5.43 |
| 92 | -0.51 | -5.44 |
| 93 | -1.03 | -5.46 |
| 94 | 0.51 | -5.45 |
| 95 | -0.51 | -5.46 |
| 96 | 0.00 | -5.46 |
| 97 | 1.03 | -5.44 |
| 98 | 1.03 | -5.42 |
| 99 | 0.51 | -5.41 |
| 100 | -0.51 | -5.42 |
| 101 | -0.51 | -5.43 |
| 102 | -0.51 | -5.44 |
| 103 | 0.00 | -5.44 |


| Milliseconds | Long. Acceleration <br> $($ Gs) | Long. Cumulative <br> Delta V (MPH) |
| :---: | :---: | :---: |
| 104 | 0.51 | -5.43 |
| 105 | 1.03 | -5.41 |
| 106 | 0.51 | -5.39 |
| 107 | 0.00 | -5.39 |
| 108 | 0.00 | -5.39 |
| 109 | 0.00 | -5.39 |
| 110 | 0.00 | -5.39 |
| 111 | 0.51 | -5.38 |
| 112 | 0.00 | -5.38 |
| 113 | 0.51 | -5.37 |
| 114 | -0.51 | -5.38 |
| 115 | 0.00 | -5.38 |
| 116 | -0.51 | -5.39 |

## 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.

```
0800: AD 42 40 5F 14 A2 58 2D 0D 23 0F 2D 38 57 C8 FF
0810:10 FF F6 13 3C 78 32 9E 08 A2 F9 EF 19 99 52 49
0820: 2D 03 5F 0F 1E 0A F5 OA A1 5E 03 OE 1D 1E 00 25
0830: OA 3C 80 28 05 28 56 OA 04 16 14 1E 03 84 B7 03
0840: 03 02 03 02 D5 5C 5A 01 F4 00 55 00 C0 12 5C 01
0850: 40 01 5E 02 6C 00 A5 00 A5 04 1F 00 2E 00 BD 07
0860: 08 13 88 03 E8 00 02 00 64 00 14 00 00 04 7E 7D
0870: 00 00 10 00 C8 01 F4 10 68 02 58 00 B4 04 28 01
0880: DC 00 02 00 66 00 FA 01 00 17 1D 08 41 11 E6 02
0890: 14 78 31 84 00 C8 OD 14 34 77 02 18 41 01 FF 7D
08A0: 14 FF 50 41 67 CC 40 FF FF FF FF FF FF FF FF OF
08B0: FF FF FF FF FF FF FF FF FF FF FF FF FF FF 00 FF
08C0: 04 FF FF FF FF FF 17 13 64 31 4C 33 41 02 03 09
08D0: 23 FF 80 32 FF 80 2F FF 80 01 FF 00 00 F6 00 FF
08E0: 03 FF 80 04 FF 80 09 FF 80 0A FF 80 21 FF 80 FF
08F0: 1F OF 00 00 0A 80 04 FF FF FF FF FF FF FF 00 40
0900: 02 FF 96 21 01 4A 11 FF FF FF FF FF 25 01 3A 80
0910: FF 12 01 3A 80 41 01 3A 80 29 33 17 36 01 FF FD
0920: 9B 9B 9A 9A 9A 9A 9A 99 9A 9A 9C 9F 9D 95 95 9B
0930: 95 95 9C 99 9C 98 98 95 98 9B 96 98 95 92 98 95
0940: 99 97 98 97 96 95 98 95 93 93 94 94 96 96 95 94
0950: 96 94 96 92 95 92 93 93 90 91 9C A0 9E 92 95 99
0960: 92 8E 92 89 9A A0 9F 9B 99 8D 98 98 98 9E 98 9B
0970: 9D 9A 99 9C 9B 9B 9E 9B 9D 9F 9E 9C 9B 9E 9C 9D
0980: 9F 9F 9E 9C 9C 9C 9D 9E 9F 9E 9D 9D 9D 9D 9E 9D
0990: 9E 9C 9D 9C 9D 93 00 00 E8 9E 00 00 00 00 00 00
09A0: 00 00 00 00 00 00 00 FF 00 AF 00 CE 00 00 00 01
09B0: 00 00 01 62 00 00 00 B4 01 F6 00 00 00 00 00 00
09C0:00 FF FE FF 00 FF FF 07 D9 FF FF FF FF FF FF FF
09D0: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
09E0: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
09F0: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
```


## 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.

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 | 1FAHP2FW3BG149248 |
| :--- | :--- |
| User | Berndt |
| Case Number | HP20004565CR |
| EDR Data Imaging Date | $09 / 23 / 2020$ |
| Crash Date | $09 / 2 / 2020$ |
| Filename | 1FAHP2FW3BG149248DOWNLOAD2 ACM.CDRX |
| Saved on | Wednesday, September 23 2020 at 17:21:52 |
| Imaged with CDR version | Crash Data Retrieval Tool 19.4 |
| Imaged with Software Licensed to (Company | South Dakota Highway Patrol |
| Name) | Crash Data Retrieval Tool 19.3.1 |
| Reported with CDR version | South Dakota Highway Patrol |
| Reported with Software Licensed to (Company | Name) |
| EDR Device Type | Airbag Control Module |
| ACM Adapter Detected During Download | No |
| Event(s) recovered | None |

## Comments

Ravonsborg vehicle
DLC
Post skid testing
warrant
The retrieval of this data has been authorized by the vehicle's owner, or other legal authority such as a court order or search warrant, as indicated by the CDR tool user on Wednesday, September 232020 at 17:21:52.

## Data Limitations

## Restraints Control Module Recorded Crash Events:

Deployment Events cannot be overwritten or cleared from the Restraints Control Module (RCM). Once the RCM has deployed any airbag device, the RCM must be replaced. The data from events which did not qualify as deployable events can be overwritten by subsequent events. The RCM can store up to two deployment events.

## Airbag Module Data Limitations:

Restraints Control Module Recorded Vehicle Forward Velocity Change reflects the change in forward velocity that the sensing system experienced from the point of algorithm wake up. It is not the speed the vehicle was traveling before the event. Note that the vehicle speed is recorded separately five seconds prior to algorithm wake up. This data should be examined in conjunction with other available physical evidence from the vehicle and scene when assessing occupant or vehicle forward velocity change.
Event Recording Complete will indicate if data from the recorded event has been fully written to the RCM memory or if it has been interrupted and not fully written.
If power to the Airbag Module is lost during a crash event, all or part of the crash record may not be recorded.
For 2011 Ford Mustangs, the Steering Wheel Angle parameter indicates the change in steering wheel angle from the previously recorded sample value and does not represent the actual steering wheel position.

## Airbag Module Data Sources:

Event recorded data are collected either INTERNALLY or EXTERNALLY to the RCM.

- INTERNAL DATA is measured, calculated, and stored internally, sensors external to the RCM include the following: $>$ The Driver and Passenger Belt Switch Circuits are wired directly to the RCM.
> The Driver's Seat Track Position Switch Circuit is wired directly to the RCM.
$>$ The Side Impact Sensors (if equipped) are located on the side of vehicle and are wired directly to the RCM.
> The Occupant Classification Sensor is located in the front passenger seat and transmits data directly to the RCM on high-speed CAN bus.
$>$ Front Impact Sensors (right and left) are located at the front of vehicle and are wire directly to the RCM.
- EXTERNAL DATA recorded by the RCM are data collected from the vehicle communication network from various sources such as Powertrain Control Module, Brake Module, etc.
System Status at Time of Retrieval

| VIN as programmed into RCM at factory | 1FAHP2FW3BG149248 |
| :--- | ---: |
| Current VIN from PCM | 1FAHP2FW3BG149248 |
| Ignition cycle, download (first record) | N/A |
| lgnition cycle, download (second record) | N/A |
| Restraints Control Module Part Number | BG13-14B321-AC |
| Restraints Control Module Serial Number | 710936020000000 |
| Restraints Control Module Software Part Number (Version) | BL84-14C028-AB |
| Left/Center Frontal Restraints Sensor Serial Number | 13335AF3 |
| Left Side Restraint Sensor 1 Serial Number | 270352F1 |
| Left Side Restraint Sensor 2 Serial Number | 133DDC2A |
| Right Frontal Restraints Sensor Serial Number | 1336DAA0 |
| Right Side Restraint Sensor 1 Serial Number | 376325F1 |
| Right Side Restraints Sensor 2 Serial Number | 133C8FDA |

## 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.

```
00 00 00 00
42 47 31 33 2D 31 34 42 33 32 31 2D 41 43 00 00 00 00 00 00 00 00 00 00
37}311303933 36 30 32 30 30 30 30 30 30 30 30
42 4C 38 34 2D 31 34 43 30 32 38 2D 41 42 00 00 00 00 00 00 00 00 00 00
13 33 5A F3 00 00 00 00 00 00 00 00 00 00 00 00
27 03 52 F1 00 00 00 00 00 00 00 00 00 00 00 00
13 3D DC 2A 00 00 00 00 00 00 00 00 00 00 00 00
13 36 DA AO OO 00 00 00 00 00 00 00 00 00 00 00
37 63 25 F1 00 00 00 00 00 00 00 00 00 00 00 00
13 3C 8F DA 00 00 00 00 00 00 00 00 00 00 00 00
31}446414840,3246 57 33 42 47 31 34 39 32 34 38,
31 46 41 48 50 32 46 57 33 42 47 31 34 39 32 34 38 00 00 00 00 00 00 00
```

Event Record 1
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF


#### Abstract

FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF PF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF PF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF PF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF


Event Record 2
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF


#### Abstract

FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF PF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF


## 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.

| STATE OF SOUTH DAKOTA | 1 | IN CIRCUIT COURT |
| :---: | :---: | :---: |
|  | ) SS | SIXTH |
| HUGHES COUNTY | ) | JUDICIAL CIRCUIT |
| STATE OF SOUTH DAKOTA | , |  |
| Plaintiff, | ) |  |
| vS | ) | AFFIDAVIT IN SUPPORT OF |
|  | ) | REQUEST FOR |
| 2011 RED FORD TAURUS | 1 | SEARCH WARRANT |
| SOUTH DAKOTA LICENSE PLATE G00027 | 1 |  |
| VIN\# 1FAHP2FW3BG149248 | 1 |  |
|  | ) |  |

In the matter of: Fatal Crash Investigation

The undersigned, being duly sworn upon oath, respectfully requests a Search Warrant to be issued for the following property (describe with particularity):

Any piece/component from the red Ford Taurus with VIN: 1FAHP2FW3BG149248 which may have evidence relating to the Fatal Crash, including but not limited to the Airbag Control Module and Ford Sync System. Photographs of the red Ford Taurus, SD license, G00027. Post-crash inspection search of the vehicle and contents.

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property:

## 2011 Red Ford Taurus, SD license plate G00027, VIN\# 1FAHP2FW3BG149248

The vehicle search will be conducted at the Pierre Police Department Evidence Shed, 3200 E Hwy 34, Pierre, SD. The vehicle is stored inside a gated area.

The undersigned requests a Search Warrant to be issued because the above property is:

## (PLACE INITIALS IN THE APPROPRIATE BLANK)

_JLG_ Property that constitutes evidence of the commission of a criminal offense;
$\qquad$ Contraband, the fruits of a crime, or things otherwise criminally possessed;
Property designed or intended for use in, or which is or has been used as the means of committing a criminal offense.

The undersigned further requests:

## (PLACE INIALS IN THE APPROPRIATE BLANK)

$\qquad$ Execution of Search Warrant at night pursuant to 23A-35-4;
That no notice be given prior to the execution of the Search Warrant pursuant to SDCL 23A-35-9;

Authorization to serve the Search Warrant on Sunday;
_JLG_ Execution of the Search Warrant during the daytime.
The facts in support of the issuance of a Search Warrant are as follows:
The facts in support of the issuance of a Search Warrant are as follows:

1. I, Trooper Jeremy Gacke, being first duly sworn under oath, deposes and states that I am a Trooper with the South Dakota Highway Patrol, and have been so in that capacity approximately sixteen years. That included in my duties, I am responsible for the investigation into violations of South Dakota State law, to include investigations of vehicular crashes, and other felony and misdemeanor crimes committed in South Dakota. Your affiant has been to several post certification schools including Crime Scene Investigation, Traffic Crash Reconstruction, Occupant Kinematics for the Traffic Crash Reconstructionist, Energy Methods for the Traffic Crash Reconstructionist and is a Traffic Crash Reconstruction Specialist.
2. That on $09 / 13 / 20$, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County on 09/12/20 at approximately 2230 hours. Your affiant did not respond to the crash scene but was informed of what had occurred.
3. The information that your affiant was given was that a red Ford Taurus was being driven westbound on US 14 near MM 277. The vehicle struck an unknown object, which the driver believed to be a deer. The red Ford Taurus was bearing South Dakota license plate G00027. The vehicle is registered to Jason Ravnsborg of 1109 Bridgeview Pierre, South Dakota. It is unknown if speed, alcohol, or the vehicle contributed to the crash.
4. Your affiant was informed that Jason Ravnsborg was the driver of the red Ford Taurus and was not injured. Mr. Ravnsborg called the Sheriff and told him he thought he hit a deer and a report was taken over the phone. Mr. Ravnsborg borrowed a vehicle from Highmore to continue westbound. The morning of the $13^{\text {th }}, \mathrm{Mr}$. Ravnsborg was returning the vehicle and stopped at the crash scene and discovered that it was a person that was hit the night before. After speaking to Trooper Berndt whom was on scene, your affiant was informed that the body was found approximately five feet north of the fog line and it had appeared that the body had been drug underneath the vehicle due to the amount of damage done to the body.
5. Based on the aforementioned facts, your affiant believes that there is probable cause to believe there is possible evidence of the crash located within the information stored in the airbag control module, Ford Sync system, and inside the vehicle which is currently at the Pierre Police Department.


Subscribed and sworn to before me, in my presence, This 13 th day of _September, 2020.
Brthif Rank
(Magistrate) (Circuit Judge) (Notary)

STATE OF SOUTH DAKOTA

HUGHES COUNTY

IN CIRCUIT COURT $6^{\text {TH }}$ JUDICIAL CIRCUIT

## STATE OF SOUTH DAKOTA

 Plaintiff, vs2011 RED FORD TAURUS
SOUTH DAKOTA LICENSE PLATE G00027 VIN\# 1FAHP2FW3BG149248

SEARCH WARRANT

In the matter of: Fatal Crash Investigation

## TO ANY LAW ENFORCEMENT OFFICER IN THE COUNTY OF HUGHES:

Proof by Affidavit has been made before me by Trooper Jeremy Gacke of the South Dakota Highway Patrol, that there is probable cause to believe that the property described herein may be found at the location set forth herein and the property is:

## (PLACE INITIALS IN APPROPRIATE BLANK)

BJR Property that constitutes evidence of the commission of a criminal offense;

## $\qquad$ <br> Contraband, the fruits of a crime, or things otherwise criminally possessed;

$\qquad$ Property designed or intended for use in, or which is or has been used as the means of, committing a criminal offense.

YOU ARE THEREFORE commanded to search (describe premises or area with legal description and particularity)

## 2011 Red Ford Taurus, SD license plate G00027, VIN\# 1FAHP2FW3BG149248

The vehicle search will be conducted at the Pierre Police Department Evidence Shed, 3200 E Hwy 34, Pierre, SD. The vehicle is stored inside a gated area.

For the following property (describe with particularity):
Any piece/component from the red Ford Taurus with VIN: 1FAHP2FW3BG149248 which may have evidence relating to the Fatal Crash, including but not limited to the Airbag Control Module and Ford

Sync System. Photographs of the red Ford Taurus, SD license, G00027. Post-crash inspection search of the vehicle and contents.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.

This Warrant may be executed in accordance with my initials placed below:

## (YOU MUST INIAL AT LEAST ONE BLANK)

$\qquad$ You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4.

BJR You may serve this Warrant only during the daytime. Night is that period form 8:00 p.m. to 8:00 a.m. local time.
$\qquad$ You may execute this Warrant without notice of execution required by SDCL 23A-35-8 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed of), (that danger of life or limb of the officer or another may result).

BJR You may serve this Warrant on Sunday.
If the above-described property be seized, it should be returned to me at the Courthouse of this Court.

Dated this 13 th day of September, 2020 at _Grip County South Dakota

$$
\frac{\text { Betti } y \text { Rank }}{\text { (Magistrate)(Circuit Judge) }}
$$

| STATE OF SOUTH DAKOTA) | IN CIRCUIT COURT |
| :--- | :---: |
|  | MAGISTRATE DIVISION |
| COUNTY OF HUGHES | ) |

STATE OF SOUTH DAKOTA)
PLAINTIFF, ) VERIFIED INVENTORY VS, )

## DEFENDANT)

(In the matter of an fatal crash in Hyde County)

I, Trooper John Berndt, a law enforcement officer of the State of South Dakota, executed a Search Warrant dated September 13, 2020, issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken by me during the execution of the above described Warrant:

1. Swab from hood
2. Swab from hood
3. Swab from fender
4. Swab from hood
5. Swab from windshield frame
6. Fiber from windshield
7. Swab from windshield
8. Hair from windshield
9. Glass from windshield
10. Control sample

## 11. Windshield piece

12. Windshield piece
13. Windshield trim
14. Paint chip from hood
15. Broken glass and lenses
16. Information contained within the Airbag Control Module.


Subscribed to and sworn to before me, a Notary Public, on this __29th day of September, 2020.


My Commission Expires 06-07-2025

STATE OF SOUTH DAKOTA
Plaintiff,

## AFFIDAVIT IN SUPPORT OF SEALING SEARCH WARRANT AFFIDAVIT

Vs.
2011 Red Ford Taurus
South Dakota License Plate G00027
VIN\# 1FAHP2FW3BG149248
Defendant,
(In the matter of Criminal Activity in Hyde County)
Search Warrant issued September 13, 2020

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that, should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of the investigation and the information currently being obtained during the course of this investigation.


Subscribed and sworn to before me, in my presence, this 2 day of October, 2020.


## STATE OF SOUTH DAKOTA

Plaintiff,
ORDER TO SEAL AFFIDAVIT IN SUPPORT OF SEARCH WARRANT
vs.
2011 Red Ford Taurus
South Dakota License Plate G00027
YIN\# 1FAHP2FW3BG149248
Defendant
(In the matter of Fatal Crash Investigation)
Search Warrant issued September 13, 2020
Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated September 13, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this $2^{\text {nd }}$ day of October, 2020.


Bobbi J. Rank
Circuit Court Judge
$\square$
6th $\qquad$

STATE OF SOUTH DAKOTA)
PLAINTIFF, )
VS, )

AFFIDAVIT IN SUPPORT OF REQUEST FOR SEARCH WARRANT
(In the matter of a FATAL CRASH in Hyde County)

The undersigned being duly sworn, respectfully requests a Search Warrant to be issued for the following property/information:

The headlight assembly including headlight bulbs from the red Ford Taurus with VIN: 1FAHP2FW3BG149248. To be examined for evidence in the investigation of a fatal crash. The headlights may be used in an exemplar vehicle to determine their effectiveness in lighting the roadway.

The use of BLUESTAR FORENSIC to be sprayed on the exterior of the red Ford Taurus with VIN: 1FAHP2FW3BG149248 to assist in locating Blood/DNA samples to be collected. Blood/DNA evidence samples may be removed from the vehicle.

Photographs of the red Ford Taurus, SD license, G00027 may also be collected.
Information from within the ACM (Airbag Control Module) that would relate to the exemplar testing previously performed.

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property (Describe premises with address, description and particularity)

## 2011 Red Ford Taurus, SD license plate G00027, VIN\# 1FAHP2FW3BG149248

The vehicle is currently stored at the Pierre Police Department Evidence Shed, 3200 E Hwy 34, Pierre, SD. The vehicle is stored inside a gated area.

The vehicle will be transported to the South Dakota Highway Patrol maintenance shop, 104 S . Garfield Avenue Bldg H, Pierre, SD 57501

The undersigned requests that the Search Warrant be issued because the above-described property is:

## (PLACE INITIALS IN THE APPROPRIATE BLANK)

- iSProperty that constitutes evidence of the commission of a criminal offense;

TB
Contraband, the fruits of crime, or things otherwise criminally possessed;
$-513$
Property designed or intended for use in, or which is or had been used as the means of, committing a criminal offense.

The undersigned further requests:
(PLACE INITIALS IN THE APPROPRIATE BLANK)


Execution of Search Warrant at night pursuant to SDCL 23A-35-A;


That no notice be giving to the execution of the Search Warrant pursuant to SDCL 23A-35-9;
Authorization to serve the Search Warrant on Sunday;

The facts in support of the issuance of a Search Warrant are as follows;

1. I, Trooper John Berndt, am a Trooper with the South Dakota Highway Patrol and have been so employed for the past 4 years and 9 months. I was also employed as a State Trooper from the time of October 2005 until August of 2014. During this time, I was trained as a Crash Reconstructionist and was responsible for the reconstruction of serious injury and fatality crashes. Prior to attaining the title of South Dakota State Trooper I was employed by the South Dakota Highway Patrol Motor Carrier Services Division as a Motor Carrier Inspector and Motor Carrier Officer for 7 years and 2 months. I have been trained and actively involved in the investigation of motor vehicle crashes.
2. That on 09/13/20, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County on 09/12/20 at approximately 2230 hours. Your affiant responded to the crash scene immediately following notification.
3. The original information provided to the affiant follows;
a. A Ford Taurus was being driven westbound on US 14 near MM 277, within Hyde County. The vehicle struck an unknown object. The red Ford Taurus was bearing South Dakota license plate G00027. The vehicle is registered to Jason Ravnsborg of 1109 Bridgeview Pierre, South Dakota. It is unknown if there are contributing factors to this crash.
4. Your affiant was informed of the following during the cellphone conversation:
a. Jason Ravnsborg was the driver of the red Ford Taurus and was not injured.
b. Mr. Ravnsborg reported the crash to law enforcement.
c. Mr. Ravnsborg indicated he was unsure of what he struck.
d. Mr. Ravnsborg borrowed a vehicle and departed the scene after law enforcement arrived.
5. The morning of September $13^{\text {th }}$, Mr. Ravnsborg was returning the vehicle and stopped at the crash scene. Mr. Ravnsborg discovered a body in the area of the crash he was involved in the night before. Mr. Ravnsborg notified law enforcement of his discovery.
6. During the investigation the following facts have been determined:
a. Joseph Boever was the pedestrian.
b. Visible evidence at the crash scene is limited to the north shoulder of the roadway and north ditch, with exception to one bolt.
i. That bolt is located near the north fogline.
c. A flashlight was found in the area of the crash, along the north ditch.
i. The flashlight was determined to be on when it was discovered on 10/13/20.
d. There is no indication of braking or evasive vehicle maneuvers at the crash scene.
e. Inspection of the vehicle indicates Mr. Boever was struck on or near the right front corner of Mr. Ravnsborg's vehicle, causing the following damage but not limited to:
i. Right headlight;
ii. Right front fender;'
iii. Right outside mirror;
iv. Right side of hood;
v. Right side of windshield;
vi. Right inside wheel well;
vii. Right side bumper.
7. The BlueStar Forensic testing of the vehicle may allow investigators to determine a specific area of impact. This information may also allow investigators to calculate a speed based on proven mathematic and scientific procedures.
8. Law enforcement conducted braking tests with Mr. Ravnsborg's vehicle after the crash. Information from those braking tests may be contained with the ACM. That information may provide a comparison to the amount of braking Mr. Ravnsborg applied at the time of the crash.
a. Mr. Ravnsborg consented to the brake testing previously performed by law enforcement.
9. The fatal crash involving Mr. Ravnsborg's vehicle occurred during nighttime hours. An exemplar vehicle has been located to conduct a series of nighttime tests, at the crash location. If the headlights from Mr. Ravnsborg's vehicle are undamaged and appear functional they may be used in the exemplar vehicle. This testing would allow investigators to determine the amount of light available to Mr. Ravnsborg on the evening of the crash.
10. Your affiant states, this case remains under investigation and information is still under review. The North Dakota Bureau of Criminal Investigation is reviewing information from Mr. Ravnsborg's electronic devices he possessed at the time of the crash. These devices may assist in determining if Mr. Ravnsborg was distracted at the time of the crash.
11. Based on the facts presented in this affidavit, your affiant has probable cause to believe Mr. Rvansborg was distracted at the time of the crash. Mr. Rvansborg's distraction while operating a motor vehicle is defined by criminal law in the State of South Dakota under SDCL 32-24-1 Reckless Driving and SDCL 32-24-8 Careless Driving.

Your affiant has also presented probable cause to believe Mr. Rvansborg's reckless operation of his motor vehicle while killing Mr. Boever meets the definition of SDCL 22-16-20 Manslaughter in the Second Degree.
12. Based on the aforementioned facts, your affiant believes that there is probable cause to believe the following:
a. There may be Blood/DNA evidence transferred onto the vehicle during the crash from Mr. Boever and the use of BLUESTAR FORENSIC would assist in locating that evidence.
b. The examination of the headlights and their possible use in an exemplar vehicle would assist the investigation by showing how the roadway was illuminated prior to the crash.
c. Information contained within the ACM may provide comparison information to the braking Mr. Ravnsborg did on the evening of the crash to the exemplar braking tests performed after the crash by law enforcement.

Wherefore, your affiant now believes that probable cause now exists for the issuance of a Search Warrant, and therefore, respectfully requests that the court issue its warrant of order and seizure, authorizing the search for the following:

## 2011 Red Ford Taurus, SD license plate G00027, VIN\# 1FAHP2FW3BG149248

The headlight assembly including headlight bulbs from the red Ford Taurus with VIN: 1FAHP2FW3BG149248. To be examined for evidence in the investigation of a fatal crash. The headlights may be used in an exemplar vehicle to determine their effectiveness in lighting the roadway.

The use of BLUESTAR FORENSIC to be sprayed on the exterior of the red Ford Taurus with VIN: 1FAHP2FW3BG149248 to assist in locating Blood/DNA samples to be collected. Blood/DNA evidence samples may be removed from the vehicle.

Photographs of the red Ford Taurus, SD license, G00027 may also be collected.
Information from within the ACM (Airbag Control Module) that would relate to the exemplar testing previously performed.

The vehicle is currently stored at the Pierre Police Department Evidence Shed, 3200 E Hwy 34, Pierre, SD. The vehicle is stored inside a gated area.

The vehicle will be transported to the South Dakota Highway Patrol maintenance shop, 104 S . Garfield Avenue Bldg H, Pierre, SD 57501

## Your affiant requests asearch warrantfor the property described above.


(OFFICAL TITLE)

Subscribed to and before me, in my presence this $2 \lambda$ 解day of September, 2020.


HUGHES COUNTY

IN CIRCUIT COURT $6^{\text {TH }}$ JUDICIAL CIRCUIT

STATE OF SOUTH DAKOTA Plaintiff,
vs

2011 RED FORD TAURUS
SOUTH DAKOTA LICENSE PLATE G00027
VIN\# 1FAHP2FW3BG149248

SEARCH WARRANT

In the matter of: Fatal Crash Investigation
TO ANY LAW ENFORCEMENT OFFICER IN THE COUNTY OF HUGHES:
Proof by Affidavit has been made before me by Trooper John Berndt of the South Dakota Highway Patrol, that there is probable cause to believe that the property described herein may be found at the location set forth herein and the property is:
(PLACE INITIALS IN APPROPRIATE BLANK)
BJR Property that constitutes evidence of the commission of a criminal offense;
$\qquad$ Contraband, the fruits of a crime, or things otherwise criminally possessed;

BJR Property designed or intended for use in, or which is or has been used as the means of, committing a criminal offense.

YOU ARE THEREFORE commanded to search (describe premises or area with legal description and particularity)

2011 Red Ford Taurus, SD license plate G00027, VIN\# 1FAHP2FW3BG149248
The vehicle is currently stored at the Pierre Police Department Evidence Shed, 3200 E Hwy 34, Pierre, SD. The vehicle is stored inside a gated area.

The vehicle will be transported to the South Dakota Highway Patrol maintenance shop, 104 S. Garfield Avenue Bldg H, Pierre, SD 57501

For the following property (describe with particularity):

The headlight assembly including headlight bulbs from the red Ford Taurus with VIN:
1FAHP2FW3BG149248. To be examined for evidence in the investigation of a fatal crash. The headlights may be used in an exemplar vehicle to determine their effectiveness in lighting the roadway.

The use of BLUESTAR FORENSIC to be sprayed on the exterior of the red Ford Taurus with VIN: 1FAHP2FW3BG149248 to assist in locating Blood/DNA samples to be collected. Blood/DNA evidence samples may be removed from the vehicle.

Photographs of the red Ford Taurus, SD license, G00027 may also be collected.
Information from within the ACM (Airbag Control Module) that would relate to the exemplar testing previously performed.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.

This Warrant may be executed in accordance with my initials placed below:
(YOU MUST INIAL AT LEAST ONE BLANK)
BJR You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4.

You may serve this Warrant only during the daytime. Night is that period form 8:00 p.m. to 8:00 a.m. local time.

You may execute this Warrant without notice of execution required by SDCL 23A-35-8 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed of), (that danger of life or limb of the officer or another may result).

You may serve this Warrant on Sunday.
If the above-described property be seized, it should be returned to me at the Courthouse of this Court.

Dated this 22nd day of September, 2020 at $\qquad$ Trippe County South Dakota


| STATE OF SOUTH DAKOTA) | IN CIRCUIT COURT |
| :--- | ---: |
| COUNTY OF HUGHES | ) |

STATE OF SOUTH DAKOTA)
PLAINTIFF, )

## VERIFIED INVENTORY

 VS,
## DEFENDANT)

(In the matter of a fatal crash in Hyde County)

I, Trooper John Berndt, a law enforcement officer of the State of South Dakota, executed a Search Warrant dated September 22, 2020, issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken by me during the execution of the above described Warrant:

1. 2 Swabs from rear passenger tire
2. 2 Swabs of red substance from shield on passenger side of muffler
3. 2 Swabs from passenger side kick panel
4. 2 Swabs from red area underside rear passenger side bumper
5. 2 Swabs from front under carriage shield
6. 2 Swabs from front passenger wheel/fender well
7. 2 Swabs from piece of fender well
8. 2 Swabs from front bumper passenger side
9. 2 Swabs from front passenger corner / headlight
10. 2 Swabs from front passenger quarter panel near hood
11. 2 Swabs from passenger side outside mirror
12. 2 Swabs from front passenger wheel
13. 2 Swabs from rear passenger wheel
14. Passenger side mirror
15. Headlight bulb
16. Information contained within the Airbag Control Module.

Dated this 29th day of September, 2020, at Aberdeen, South Dakota.


Subscribed to and sworn to before me, a Notary Public, on this 29th day of September 2020.


My Commission Expires 06-07-2025

STATE OF SOUTH DAKOTA Plaintiff,

Vs.
2011 Red Ford Taurus
South Dakota License Plate G00027
VIN\# 1FAHP2FW3BG149248
Defendant,
(In the matter of Fatal Crash Investigation)
Search Warrant issued September 22, 2020


## AFFIDAVIT IN SUPPORT OF SEALING SEARCH WARRANT AFFIDAVIT

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that, should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of the investigation and the information currently being obtained during the course of this investigation.


Subscribed and sworn to before me, in my presence, this $\frac{2}{1}$ day of October 2020


STATE OF SOUTH DAKOTA Plaintiff,
vs.
2011 Red Ford Taurus
South Dakota License Plate G00027
YIN\# 1FAHP2FW3BG149248
Defendant
(In the matter of Fatal Crash Investigation)
Search Warrant issued September 22, 2020

Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated September 22, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this $2^{\text {nd }}$ day of October, 2020.


Bobbi J. Rank
Circuit Court Judge

# Huron Police Department <br> 239 Wisconsin Ave SW <br> POBox 1369 <br> Huron, SD 57350 <br> Phone: 605-353-8550 

Case 201882
Printed on October 27, 2020

| Status | Approved |
| :--- | :--- |
| Report Type | Patrol |
| Primary Officer | Tanner Dornacher |
| Reported At | 09/06/20 20:45 |
| Incident Date | 09/06/20 20:45 |
| Incident Code | TRFS: Traffic Stop |
| Location | LINCOLN AVE NW / US HWY 14 W, HURON, SD 57350 |
| Zone | 3 |
| Beat |  |
|  |  |
| Disposition Closed - Charges Filed <br> Disposition Date/Time 10/20/20 11:59  <br> Review for Gang Activity None |  |

## Unspecified

## Ravnsborg, Jason R

Male,


## Primary Narrative By Tanner Dornacher, 10/27/20 03:28

On 09/06/2020 at approximately 2045 I observed a vehicle stopped at a stop sign in the East bound lane on Old Highway 14 at the intersection of Old Highway 14 and Lincoln Ave SW. The stopped vehicle then pulled into the North bound lane of Lincoln Ave SW causing me to immediately brake in my marked patrol vehicle in order to avoid an accident with the vehicle.

I then used my patrol vehicle's radio to inform Huron Police Department Dispatch that I would be making a traffic stop on the vehicle with the license plate number 1 J 2256 out of South Dakota at the intersection of Highway 14 and Lincoln Ave NW. I then activated my emergency lights to indicate to the vehicle to pull over. The vehicle then stopped in the inside lane of Highway 14 along the median of the highway.

When I approached the vehicle, I first observed that the driver had a badge open in his hand that stated the individual was the Attorney General for the State of South Dakota. I then informed the individual of my name and that the reason for the stop was due to him failing to yield at the stop sign almost resulting in an accident with my patrol vehicle. I then asked the individual for his driver's license as well as proof of insurance on the vehicle. The individual then handed me his driver's license and stated "It's a state car...I'm actually the Attorney General." | then asked the individual that I identified as Jason Ravnsborg to remain in his vehicle and that I would be right back.

I then returned to my vehicle and searched Jason's name in the Huron Police Department System to confirm his information. I then observed that Jason had one prior contact with the Huron Police Department in the form of a speeding violation in 2018 from Sgt. VanDiepen. Dispatch then informed me that the South Dakota License Plate 1 J 2256 did not come back to any vehicle in South Dakota. Knowing that the vehicle was a state vehicle I proceeded with the traffic stop as normal. After confirming Jason's information in the system I then asked Dispatch to run a Drivers License Status on Jason. Dispatch then informed me that the 59 came back as a Class 1, Active, Expires 2024, Negative 16-29. With the information given and due to the call volume of the night, I decided to give Jason a verbal warning for the Stop Sign Violation.

## I then returned to Jason's vehicle and returned his drivers license. I then informed Jason that I would be giving him a

verbal warning for the violation and urged him to drive more carefully. Jason then stated that he believed the intersection was a 4-way stop and not a 2-way. I informed Jason again that there was a vehicle that slowed to turn West onto Old Highway 14, but the intersection was only a 2 -way and that his violation caused a dangerous situation. I then told Jason that he parked in a weird position, referring to parking in the inside lane of Highway 14, and that I was going to remain parked with my emergency lights on until he safely pulled away to prevent a traffic accident. Jason then asked me if Highway 14 was a 2-lane highway and asked if he could be in either lane. As Jason asked me that question, a vehicle passed us in the outside lane. I informed Jason that it was a 2-lane Highway and that he could drive in either, West Bound lane.

I then returned to my patrol vehicle and remained parked behind Jason until he was able to safely pull away. After Jason pulled away I followed and deactivated my emergency lights and cleared from the stop.

End of Report
Officer Tanner Dornacher \#265
Huron Police Department

| STATE OF SOUTH DAKOTA) | IN CIRCUIT COURT |
| :--- | :--- |
| MAGISTRATE DIVISION |  |
| COUNTY OF _HYDE_) |  |

# AFFIDAVIT IN SUPPORT OF 

 REQUEST FOR SEARCH WARRANTVS, )
VS, )

Jason Ravnsborg and
Apple Inc.
Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014
Apple Account: Jason.ravnsborg@state.sd.us

## DEFENDANT)

(In the matter of a FATAL CRASH in Hyde County)

The undersigned being duly sworn, respectfully requests a Search Warrant to be issued for the following property/information:
Apple Account: Jason.ravnsborg@state.sd.us and any data found therein, including the following:

Your affiant is requesting the following information be disclosed by Apple to the extent that the information described is within the possession, custody, or control of Apple, including any messages, records, files, logs, or information that have been deleted but are still available to Apple, or have been preserved pursuant to a request made under 18 U.S.C. § 2703(f), Apple is required to disclose the following information to the government, in unencrypted form whenever available, for each account or identifier listed:
a. All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, email addresses (including primary, alternate, rescue, and notification email addresses, and verification information for each email address), the date on which the account was created, the length of service, the IP address used to register the account, account status, methods of connecting, and means and source of payment (including any credit or bank account numbers);
b. All records or other information regarding the devices associated with, or used in connection with, the account (including all current and past trusted or authorized iOS devices and computers, and any devices used to access Apple services), including serial numbers, Unique Device Identifiers ("UDID"), Advertising Identifiers ("IDFA"), Global Unique Identifiers ("GUID"), Media Access Control ("MAC") addresses, Integrated Circuit Card ID numbers ("ICCID"), Electronic Serial Numbers ("ESN"), Mobile Electronic Identity Numbers ("MEIN"), Mobile Equipment Identifiers ("MEID"), Mobile Identification Numbers ("MIN"), Subscriber Identity Modules ("SIM"), Mobile Subscriber Integrated Services Digital Network Numbers ("MSISDN"), International Mobile Subscriber Identities ("IMSI"), and International Mobile Station Equipment Identities ("IMEI");
c. The contents of all instant messages associated with the account, including stored or preserved copies of instant messages (including iMessages, SMS messages, and MMS messages) sent to and from the account (including all draft and deleted messages), the source and destination account or phone number associated with each instant message, the date and time at which each instant message was sent, the size and length of each instant message, the actual IP addresses of the sender and the recipient of each instant message, and the media, if any, attached to each instant message;
d. The contents of all files and other records stored on iCloud, including all iOS device backups, all Apple and third-party app data, all files and other records related to iCloud Mail, iCloud Photo Sharing, My Photo Stream, iCloud Photo Library, iCloud Drive, iWorks (including Pages, Numbers, and Keynote), iCloud Tabs, and iCloud Keychain, and all address books, contact and buddy lists, notes, reminders, calendar entries, images, videos, voicemails, device settings, and bookmarks;
e. All records and information regarding locations where the account was accessed, including all data stored in connection with Location Services;
f. All records pertaining to communications between Apple and any person regarding the account, including contacts with support services and records of actions taken.

All information described above involving Jason Ravnsborg (Jason.ravnsborg@state.sd.us) from September 12, 2020 and September 13, 2020 including, for each account or identifiers, information pertaining to the following matters:
a. The identity of the person(s) who created or used the Apple ID, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property (Describe premises with address, description and particularity)

Apple Inc. Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014, Apple Account: Jason.ravnsborg@state.sd.us

The undersigned requests that the Search Warrant be issued because the above-described property is:

## (PLACE INITIALS IN THE APPROPRIATE BLANK)

## 工佔

Property that constitutes evidence of the commission of a criminal offense;
$\qquad$ Contraband, the fruits of crime, or things otherwise criminally possessed;
Property designed or intended for use in, or which is or had been used as the means of, committing a criminal offense.

The undersigned further requests:
(PLACE INITIALS IN THE APPROPRIATE BLANK)
$\qquad$ Execution of Search Warrant at night pursuant to SDCL 23A-35-A;
$\qquad$ That no notice be giving to the execution of the Search Warrant pursuant to SDCL 23A-35-9;
$\qquad$ Authorization to serve the Search Warrant on Sunday;
TB Execution of the Search Warrant during the daytime;

The facts in support of the issuance of a Search Warrant are as follows;
Your Affiant, Trooper John Berndt, of the South Dakota Highway Patrol being first duly sworn, deposes and states under penalty of perjury:

Your Affiant is a Trooper with the South Dakota Highway Patrol and have been so employed for the past 4 years and 9 months. Your Affiant was also employed as a State Trooper from the time of October 2005 until August of 2014. During this time, Your Affiant was trained as a Crash Reconstructionist and was responsible for the reconstruction of serious injury and fatality crashes. Prior to attaining the title of South Dakota State Trooper, Your Affiant was employed by the South Dakota Highway Patrol Motor Carrier Services Division as a Motor Carrier Inspector and Motor Carrier Officer for 7 years and 2 months. Your Affiant has been trained and actively involved in the investigation of motor vehicle crashes.

Your Affiant has investigated and/or reconstructed numerous vehicle crashes involving
bodily injury and/or property damage. Your Affiant has been actively involved in the investigation of over 100 fatal crashes. Your Affiant has received over 1,050 hours of training in the investigation and reconstruction of traffic crashes. Your Affiant currently instructs Intermediate and Advanced Crash Investigation to law enforcement in South Dakota. Your affiant states the following:

On 09/13/20, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County. The crash had occurred the previous evening, on 09/12/20. Your affiant responded to the crash scene immediately following notification. On arrival, initial responding law enforcement advised that the preliminary investigation indicated a 2011 Red Ford Taurus bearing SD Lic\# G00027 and registered to Jason Ravnsborg was traveling westbound on US Hwy 14 near MM 277. Preliminary investigation indicated the vehicle was being operated by Ravnsborg, who was the lone occupant. At approximately 2224 hours, Mr. Ravnsborg contacted 911 and reported he had struck an unknown object with his vehicle and requested police response. It is notable that Ravnsborg is the elected Attorney General for South Dakota.

Hyde County Sheriff Mike Volek responded to the scene. Volek reported that he and Ravnsborg had conducted a preliminary search of the north ditch of US Hwy 14 searching for the unknown object that Ravnsborg had struck but did not locate anything. Ravnsborg was not injured in the crash. Volek loaned his personal car to Ravnsborg who used it to return to Pierre, SD, prior to the arrival of a tow truck.

Your affiant states that, on the morning of September 13th, Ravnsborg was returning the vehicle and stopped at the crash scene. Mr. Ravnsborg discovered a body in the area of the crash he was involved in the night before. Mr. Ravnsborg notified Sheriff Volek of his discovery. The South Dakota Highway Patrol was requested to respond and investigate the crash.

SDHP personnel later identified the pedestrian as Joseph Boever. His body was located in the north ditch of US Hwy 14, approximately 2 feet north of the asphalt edge of the road shoulder. Visible evidence at the scene is limited to the north shoulder of the roadway and north ditch, with exception to one bolt. That bolt is located near the north fogline. In addition, a light was located in the area of the crash along the north ditch. At the time of its discovery, the light was still in the "on" position and illuminated. Preliminary investigation indicates that Boever was carrying a light while walking a few minutes before the crash, and that the light was illuminated.

A preliminary inspection of the vehicle revealed that the 2011 Ford Taurus driven by Ravnsborg likely struck Boever with the front passenger corner causing damage to the right headlight, right front fender, right outside mirror, right side of the hood, windshield, wheel well and bumper. Based on the location of Boever's body at the time of discovery, the location of physical evidence at the scene of the crash, and the damage to Ravnsborg vehicle, it is likely that Boever was walking on the north edge of the
highway, likely on the north side of the fog line, and carrying an illuminated light when he was struck by Ravnsborg.

Your affiant states that an additional aspect of the investigation involves activity and behaviors of Ravnsborg in the moments before and after the crash. These activities may lend some clarity to contributing factors of the crash, such as speed, impairment, or, in this case, whether Ravnsborg was distracted at the time of the crash, leading him to operate his vehicle in a reckless or negligent manner.

Due to his position as the elected Attorney General for the State of South Dakota, Ravnsborg oversees the SD Division of Criminal Investigation. Consequently, assistance was requested from the North Dakota Bureau of Criminal Investigation and they arrived later on 9-13-2020.

Special Agent (S/A) Cassidy Halseth was one of the agents that assisted in the investigation and has been involved in the process of extracting information from the cellular telephones of Ravnsborg. On 9/29/2020, SA Halseth contacted your affiant for assistance in obtaining search warrants for the electronic activity of Ravnsborg in the periods of time surrounding the crash. SA Halseth provided the following supplement to this affidavit:

Special Agent Cassidy Halseth, has been employed with the North Dakota Bureau of Criminal Investigation since December of 2017 and has been a licensed peace officer in the State of North Dakota since 2001. Prior to being employed by the North Dakota Bureau of Criminal Investigation, S/A Halseth was employed by the Minot Police Department, Minot, ND from September 2002 to December 2017. S/A Halseth has received training in computer forensics from X-Ways Forensics. Access Data for Forensic Tool Kit, Cellebrite, Magnet Forensics, and through the International Association of Computer Investigative Specialists (IACIS) Basic Computer Forensic Examiners Course and is a currently certified Computer Forensic Examiner through IACIS.

S/A Halseth stated that S/A Halseth received two cellular phones belonging to Jason Ravnsborg as part of this investigation. Both of the cellular phones were reported to be in the possession of Jason Ravnsborg during the crash incident. Jason Ravnsborg voluntarily consented to having both these cellular phones examined. The first cellular phone was an LG Model LM-Q720AM cell phone with serial number 910 VTJH0029972. The second cellular phone was an Apple iPhone XR Model number A1984 with serial number DX3YN7BYKXKN.

S/A Halseth conducted a data extraction of the LG Model LM-Q720AM cell phone on 9-14-2020. S/A Halseth was able to obtain a file system extraction on the LG cell phone using the Cellebrite 4 PC , but was unsuccessful in obtaining the logical extraction from the LG Cell phone. S/A Halseth made several attempts at completing the logical extraction, but every time was unsuccessful. S/A Halseth then utilized the Magnet Forensics Acquire software and was able to obtain an Acquire Quick Image of the LG
cell phone. S/A Halseth found that the extractions that were collected did not contain any text/chat messages, phone logs, browser history, or any information about applications that were installed or in use on the LG cell phone. The extractions mainly contained image files, video files, and other types of media files.

On 9-15-2020, S/A Halseth conducted a data extraction on the Apple iPhone XR Model number A1984.

On 9-17-2020, S/A Halseth examined the data recovered from the Apple iPhone. S/A Halseth saw that there was activity on the phone right before the 911 call was made by AG Ravnsborg. S/A Halseth also identified that the iPhone was linked to the email address Jason.ravnsborg@state.sd.us which was being used as the Apple ID.

S/A Halseth found that a 911 call was made from the Apple iPhone XR on September $12^{\text {th }}, 2020$ at 10:24:22 and that the call lasted 142 seconds. S/A Halseth found that that there was Apple Safari History showing that on September $12^{\text {th }}, 2020$ at 10:21:45 the following website was locally browsed from the Apple iPhone XR ; https://justthenews.com/accountability/political-ethics/riding-dragon-documentary-exposes-massive-biden-self-enrichment. Prior to that website being browsed, the following websites were also locally browsed:
a. $\quad$ https: $/ /$ mail.yahoo.com $/ \mathrm{m} /$ ?.src $=y m \& r e a s o n=$ mobile September $12^{\text {th }}, 2020$ at 10:17:25 PM
b. https://mail.yahoo.com/m/folders/1?. $\mathrm{src}=y \mathrm{~m} \&$ reason=mobile September $12^{\text {th }}, 2020$ at 10:17:26 PM
https://mail.yahoo.com/m/folders/1/messages/AM5Sv3hQjkCmX11aoQkf8Btz7F0
September $12^{\text {th }}, 2020$ at 10:18:21 PM
d. https://mail.yahoo.com/m/folders/1?.src=ym\&reason=mobile

September $12^{\text {th }}, 2020$ at 10:20:42 PM
e. http://dakotafreepress.com/

September $12^{\text {th }}, 2020$ at 10:20:49 PM
f. https://www.realclearpolitics.com/

September $12^{\text {th }}, 2020$ at 10:21:13 PM

This affidavit is submitted in support of an application for the issuance of a search warrant for Apple Inc. Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014, Apple Account: Jason.ravnsborg@state.sd.us and any data found therein.

Your affiant states that, due to the nature of this investigation and the involvement of investigators from the state of ND , the information sought from this warrant will be transmitted to the state of North Dakota for analysis by SA Halseth. Your affiant asks the court to authorize the items disclosed be sent directly to SA Halseth, on any digital media
device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

Your affiant states that there is probable cause to believe that currently within the aforementioned Apple account, there exists, evidence, fruits, instrumentalities, of violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites-Prohibition) and 32-26-47.1 (Use of mobile electronic device--Prohibitions.)

Your Affiant is submitting this affidavit in support of a warrant authorizing a search of Apple Inc. Attn: Custodian of Records 1 Infinite Loop, Cupertino, CA 95014, Apple Account: Jason.ravnsborg@state.sd.us and media found therein, for the items specified and listed above, which items constitute instrumentalities, fruits, and evidence of the


Subscribed to and before me, in my presence this $\frac{s+}{\text { day of October, } 2020 .}$


My Commission Expires 06-07-2025

STATE OF SOUTH DAKOTA)
COUNTY OF HYDE )

STATE OF SOUTH DAKOTA )
Plaintiff,
vs.
Jason Ravnsborg and
Apple Inc.
Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014
Apple Account: Jason.ravnsborg@state.sd.us

IN CIRCUIT COURT
) SS
SIXTH JUDICIAL CIRCUIT

## SEARCH WARRANT

)

## For the following property:

Apple Account: Jason.ravnsborg@state.sd.us and any data found therein, including the following:

Your affiant is requesting the following information be disclosed by Apple to the extent that the information described is within the possession, custody, or control of Apple, including any messages, records, files, logs, or information that have been deleted but are still available to Apple, or have been preserved pursuant to a request made under 18 U.S.C. § 2703(f), Apple is required to disclose the following information to the government, in unencrypted form whenever available, for each account or identifier listed:
a. All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, email addresses (including primary, alternate, rescue, and notification email addresses, and verification information for each email address), the date on which the account was created, the length of service, the IP address used to register the account, account status, methods of connecting, and means and source of payment (including any credit or bank account numbers);
b. All records or other information regarding the devices associated with, or used in connection with, the account (including all current and past trusted or authorized iOS devices and computers, and any devices used to access Apple services), including serial numbers, Unique Device Identifiers ("UDID"), Advertising Identifiers ("IDFA"), Global Unique Identifiers ("GUID"), Media Access Control ("MAC") addresses, Integrated Circuit Card ID numbers ("ICCID"), Electronic Serial Numbers ("ESN"), Mobile Electronic Identity Numbers ("MEIN"), Mobile Equipment Identifiers ("MEID"), Mobile Identification Numbers ("MIN"), Subscriber Identity Modules ("SIM"), Mobile Subscriber Integrated Services Digital Network Numbers ("MSISDN"), International Mobile Subscriber Identities ("IMSI"), and International Mobile Station Equipment Identities ("IMEI");
c. The contents of all instant messages associated with the account, including stored or preserved copies of instant messages (including iMessages, SMS messages, and MMS messages) sent to and from the account (including all draft and deleted messages), the source and destination account or phone number associated with each instant message, the date and time at which each instant message was sent, the size and length of each instant message, the actual IP addresses of the sender and the recipient of each instant message, and the media, if any, attached to each instant message;
d. The contents of all files and other records stored on iCloud, including all iOS device backups, all Apple and third-party app data, all files and
other records related to iCloud Mail, iCloud Photo Sharing, My Photo Stream, iCloud Photo Library, iCloud Drive, iWorks (including Pages, Numbers, and Keynote), iCloud Tabs, and iCloud Keychain, and all address books, contact and buddy lists, notes, reminders, calendar entries, images, videos, voicemails, device settings, and bookmarks;
e. All records and information regarding locations where the account was accessed, including all data stored in connection with Location Services;
f. All records pertaining to communications between Apple and any person regarding the account, including contacts with support services and records of actions taken.

All information described above involving Jason Ravnsborg (Jason.ravnsborg@state.sd.us) from September 12, 2020 and September 13, 2020 including, for each account or identifiers, information pertaining to the following matters:
a. The identity of the person(s) who created or used the Apple ID, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

## Method of Service

Items disclosed pursuant to this search warrant can be served by sending, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.
This Warrant may be executed in accordance with my initials placed below:
(YOU MUST INITIAL AT LEAST ONE BLANK)

[^0]BJR You may serve this Warrant only during the daytime. Night is that period from 8:00 p.m. to 8:00 adm. local time.
$\qquad$ You may execute this Warrant without notice of execution required by SDCL 23A-35-9 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed of), (that danger of life or limb or the officer or another, may result).
$\qquad$ You may serve this Warrant on Sunday.

If the above-described property be seized, it should be returned to me at the Courthouse of this Court.

Dated this 1st day of October_, 2020, at Trips County South Dakota.


## STATE OF SOUTH DAKOTA)

PLAINTIFF, )
VERIFIED INVENTORY
VS, )
Jason Ravnsborg and
Apple Inc.
Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014
Apple Account: Jason.ravnsborg@state.sd.us

## DEFENDANT)

(In the matter of a FATAL CRASH in Hyde County)

I, Trooper John Berndt, a law enforcement officer of the State of South Dakota, obtained a Search Warrant dated October $1^{\text {st }}, 2020$, issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken during the execution of the above described Warrant. A copy of the warrant was provided to Agents from North Dakota Bureau of Criminal Investigations and served by that agency. The ND BCI information is detailed below:

On October $2^{\text {nd }}, 2020$ S/A Halseth, of the North Dakota Bureau of Criminal Investigations, served the search warrant on Apple, Inc. that had been granted on October $1^{\text {st }}, 2020$ for the contents of Attorney General Jason Ravsborg's Apple Account Jason.ravnsborg@state.sd.us. On October 20 ${ }^{\text {th }}$, 2020 S/A Cassidy Halseth received from the Apple Law Enforcement Response Team and email containing a 5.80 GB encrypted zip file containing the Apple Account Jason.ravnsborg@state.sd.us contents requested from the search warrant that was applied for and signed on October 1 ${ }^{\text {st }}, 2020$.

On October 27th, 2020 a second search warrant was applied for and granted to allow the viewing of the Apple Account Jason.ravnsborg@state.sd.us
contents. On October $28^{\text {th }}, 2020 \mathrm{~S} / \mathrm{A}$ Halseth was able to review all contents received, and was able to save and preserve all contents received.

S/A Halseth will save and maintain the contents that were received and all contents will be made available for review upon request. Please accept this letter along with the original copy of the signed search warrant to complete the search warrant return requirement.

Dated this 2nd day of November, 2020, at Aberdeen, South Dakota.


Subscribed to and sworn to before me, a Notary Public, on this . 2 _ day of November, 2020.


My Commission Expires 06-07-2025

STATE OF SOUTH DAKOTA )
Plaintiff,

## AFFIDAVIT IN SUPPORT OF SEALING SEARCH WARRANT AFFIDAVIT

Vs.
Jason Ravnsborg and

Apple Inc.
Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014
Apple Account: Jason.ravnsborg@state.sd.us
Defendant,
(In the matter of Criminal Activity in Hyde County)
Search Warrant issued October $1^{\text {st }}, 2020$

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that, should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of the investigation and the information currently being obtained during the course of this investigation.


Signature of Affiant
Subscribed and sworn to before me, in my presence, this, day of Nown-Le, 2020


My commission expires:
My Commission Expires 06-07-2025

IN CIRCUIT COURT
SIXTH JUDICIAL CIRCUIT

STATE OF SOUTH DAKOTA
Plaintiff,
vs.

ORDER TO SEAL PURSUANT
TO SDCL 23A-35-4.1

Jason Ravnsborg and
Apple Inc.
Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014
Apple Account: Jason.ravnsborg@state.sd.us
Defendant
(In the matter of Fatal Crash Investigation)
Search Warrant issued October $1^{\text {st }}, 2020$
Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated October 1, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this $2^{\text {nd }}$ day of November, 2020.


Bobbi J. Rank
Circuit Court Judge
Sixth Judicial Circuit

| STATE OF SOUTH DAKOTA) |  | IN CIRCUIT COURT |
| :---: | :---: | :---: |
|  |  | MAGISTRATE DIVISION |
| COUNTY OF _HYDE」 | 6th | JUDICIAL CIRCUIT |
| *************************************************** |  |  |
| STATE OF SOUTH DAKOTA) |  | AFFIDAVIT IN SUPPORT OF |
|  |  | REQUEST FOR |
| PLAINTIFF, |  | SEARCH WARRANT |
|  |  |  |
| Jason Ravnsborg and |  |  |
| Apple Inc. |  |  |
| Attn: Custodian of Records Apple Inc., |  |  |
| 1 Infinite Loop, Cupertino, CA 95014 |  |  |
| Apple Account: Jason.ravnsborg@state.sd.us |  |  |
| DEFENDANT) |  |  |
| (In the matter of a FATAL CRA |  |  |

The undersigned being duly sworn, respectfully requests a Search Warrant to be issued for the following property/information:

Apple Account: Jason.ravnsborg@state.sd.us and any data found therein, including the following:

Your affiant is requesting the following information be disclosed by Apple to the extent that the information described is within the possession, custody, or control of Apple, including any messages, records, files, logs, or information that have been deleted but are still available to Apple, or have been preserved pursuant to a request made under 18 U.S.C. § 2703(f), Apple is required to disclose the following information to the government, in unencrypted form whenever available, for each account or identifier listed:
a. All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, email addresses (including primary, alternate, rescue, and notification email addresses, and verification information for each email address), the date on which the account was created, the length of service, the IP address used to register the account, account status, methods of connecting, and means and source of payment (including any credit or bank account numbers);
b. All records or other information regarding the devices associated with, or used in connection with, the account (including all current and past trusted or authorized iOS devices and computers, and any devices used to access Apple services), including serial numbers, Unique Device Identifiers ("UDID"), Advertising Identifiers ("IDFA"), Global Unique Identifiers ("GUID"), Media Access Control ("MAC") addresses, Integrated Circuit Card ID numbers ("ICCID"), Electronic Serial Numbers ("ESN"), Mobile Electronic Identity Numbers ("MEIN"), Mobile Equipment Identifiers ("MEID"), Mobile Identification Numbers ("MIN"), Subscriber Identity Modules ("SIM"), Mobile Subscriber Integrated Services Digital Network Numbers ("MSISDN"), International Mobile Subscriber Identities ("IMSI"), and International Mobile Station Equipment Identities ("IMEI");
c. The contents of all instant messages associated with the account, including stored or preserved copies of instant messages (including iMessages, SMS messages, and MMS messages) sent to and from the account (including all draft and deleted messages), the source and destination account or phone number associated with each instant message, the date and time at which each instant message was sent, the size and length of each instant message, the actual IP addresses of the sender and the recipient of each instant message, and the media, if any, attached to each instant message;
d. The contents of all files and other records stored on iCloud, including all iOS device backups, all Apple and third-party app data, all files and other records related to iCloud Mail, iCloud Photo Sharing, My Photo Stream, iCloud Photo Library, iCloud Drive, iWorks (including Pages, Numbers, and Keynote), iCloud Tabs, and iCloud Keychain, and all address books, contact and buddy lists, notes, reminders, calendar entries, images, videos, voicemails, device settings, and bookmarks;
e. All records and information regarding locations where the account was accessed, including all data stored in connection with Location Services;
f. All records pertaining to communications between Apple and any person regarding the account, including contacts with support services and records of actions taken.

All information described above involving Jason Ravnsborg
(Jason.ravnsborg@state.sd.us) from September 12, 2020 and September 13, 2020 including, for each account or identifiers, information pertaining to the following matters:
a. The identity of the person(s) who created or used the Apple ID, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

Your Affiant obtained a search warrant on October 1, 2020. That warrant was served by Agents from the North Dakota Bureau of Criminal Investigation (ND BCI) to Apple Inc on October 2, 2020. Agents from the ND BCI received the information back from Apple Inc on October 20, 2020. Agents from the ND BCI downloaded but have not reviewed the data provided by Apple. Your Affiant is seeking a second warrant for the ND BCI to open the information provided by Apple Inc. to comply with the requirements addressed by US $8^{\text {th }}$ Circuit Court of Appeals decision of the United States of America v. Meamen Jean Nyah.

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property (Describe premises with address, description and particularity)

Apple Inc. Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014, Apple Account: Jason.ravnsborg@state.sd.us

The undersigned requests that the Search Warrant be issued because the above-described property is:

## (PLACE INITIALS IN THE APPROPRIATE BLANK)



Property that constitutes evidence of the commission of a criminal offense;
Contraband, the fruits of crime, or things otherwise criminally possessed;
$\qquad$ Property designed or intended for use in, or which is or had been used as the means of, committing a criminal offense.

The undersigned further requests:

## (PLACE INITIALS IN THE APPROPRIATE BLANK)

$\qquad$ Execution of Search Warrant at night pursuant to SDCL 23A-35-A;
___ That no notice be giving to the execution of the Search Warrant pursuant to SDCL 23A-35-9;
Authorization to serve the Search Warrant on Sunday;


Execution of the Search Warrant during the daytime;

## The facts in support of the issuance of a Search Warrant are as follows;

Your Affiant, Trooper John Berndt, of the South Dakota Highway Patrol being first duly sworn, deposes and states under penalty of perjury:

Your Affiant is a Trooper with the South Dakota Highway Patrol and have been so employed for the past 4 years and 9 months. Your Affiant was also employed as a State

Trooper from the time of October 2005 until August of 2014. During this time, Your Affiant was trained as a Crash Reconstructionist and was responsible for the reconstruction of serious injury and fatality crashes. Prior to attaining the title of South Dakota State Trooper, Your Affiant was employed by the South Dakota Highway Patrol Motor Carrier Services Division as a Motor Carrier Inspector and Motor Carrier Officer for 7 years and 2 months. Your Affiant has been trained and actively involved in the investigation of motor vehicle crashes.

Your Affiant has investigated and/or reconstructed numerous vehicle crashes involving bodily injury and/or property damage. Your Affiant has been actively involved in the investigation of over 100 fatal crashes. Your Affiant has received over 1,050 hours of training in the investigation and reconstruction of traffic crashes. Your Affiant currently instructs Intermediate and Advanced Crash Investigation to law enforcement in South Dakota. Your affiant states the following:

On 09/13/20, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County. The crash had occurred the previous evening, on 09/12/20. Your affiant responded to the crash scene immediately following notification. On arrival, initial responding law enforcement advised that the preliminary investigation indicated a 2011 Red Ford Taurus bearing SD Lic\# G00027 and registered to Jason Ravnsborg was traveling westbound on US Hwy 14 near MM 277. Preliminary investigation indicated the vehicle was being operated by Ravnsborg, who was the lone occupant. At approximately 2224 hours, Mr. Ravnsborg contacted 911 and reported he had struck an unknown object with his vehicle and requested police response. It is notable that Ravnsborg is the elected Attorney General for South Dakota.

Hyde County Sheriff Mike Volek responded to the scene. Volek reported that he and Ravnsborg had conducted a preliminary search of the north ditch of US Hwy 14 searching for the unknown object that Ravnsborg had struck but did not locate anything. Ravnsborg was not injured in the crash. Volek loaned his personal car to Ravnsborg who used it to return to Pierre, SD, prior to the arrival of a tow truck.

Your affiant states that, on the morning of September 13th, Ravnsborg was returning the vehicle and stopped at the crash scene. Mr. Ravnsborg discovered a body in the area of the crash he was involved in the night before. Mr. Ravnsborg notified Sheriff Volek of his discovery. The South Dakota Highway Patrol was requested to respond and investigate the crash.

SDHP personnel later identified the pedestrian as Joseph Boever. His body was located in the north ditch of US Hwy 14, approximately 2 feet north of the asphalt edge of the road shoulder. Visible evidence at the scene is limited to the north shoulder of the roadway and north ditch, with exception to one bolt. That bolt is located near the north fogline. In addition, a light was located in the area of the crash along the north ditch. At the time of its discovery, the light was still in the "on" position and illuminated.

Preliminary investigation indicates that Boever was carrying a light while walking a few minutes before the crash, and that the light was illuminated.

A preliminary inspection of the vehicle revealed that the 2011 Ford Taurus driven by Ravnsborg likely struck Boever with the front passenger corner causing damage to the right headlight, right front fender, right outside mirror, right side of the hood, windshield, wheel well and bumper. Based on the location of Boever's body at the time of discovery, the location of physical evidence at the scene of the crash, and the damage to Ravnsborg vehicle, it is likely that Boever was walking on the north edge of the highway, likely on the north side of the fog line, and carrying an illuminated light when he was struck by Ravnsborg.

Your affiant states that an additional aspect of the investigation involves activity and behaviors of Ravnsborg in the moments before and after the crash. These activities may lend some clarity to contributing factors of the crash, such as speed, impairment, or, in this case, whether Ravnsborg was distracted at the time of the crash, leading him to operate his vehicle in a reckless or negligent manner.

Due to his position as the elected Attorney General for the State of South Dakota, Ravnsborg oversees the SD Division of Criminal Investigation. Consequently, assistance was requested from the North Dakota Bureau of Criminal Investigation and they arrived later on 9-13-2020.

Special Agent (S/A) Cassidy Halseth was one of the agents that assisted in the investigation and has been involved in the process of extracting information from the cellular telephones of Ravnsborg. On 9/29/2020, SA Halseth contacted your affiant for assistance in obtaining search warrants for the electronic activity of Ravnsborg in the periods of time surrounding the crash. SA Halseth provided the following supplement to this affidavit:

Special Agent Cassidy Halseth, has been employed with the North Dakota Bureau of Criminal Investigation since December of 2017 and has been a licensed peace officer in the State of North Dakota since 2001. Prior to being employed by the North Dakota Bureau of Criminal Investigation, S/A Halseth was employed by the Minot Police Department, Minot, ND from September 2002 to December 2017. S/A Halseth has received training in computer forensics from X-Ways Forensics. Access Data for Forensic Tool Kit, Cellebrite, Magnet Forensics, and through the International Association of Computer Investigative Specialists (IACIS) Basic Computer Forensic Examiners Course and is a currently certified Computer Forensic Examiner through IACIS.

S/A Halseth stated that S/A Halseth received two cellular phones belonging to Jason Ravnsborg as part of this investigation. Both of the cellular phones were reported to be in the possession of Jason Ravnsborg during the crash incident. Jason Ravnsborg voluntarily consented to having both these cellular phones examined. The first cellular phone was an LG Model LM-Q720AM cell phone with serial number

910VTJH0029972. The second cellular phone was an Apple iPhone XR Model number A1984 with serial number DX3YN7BYKXKN.

S/A Halseth conducted a data extraction of the LG Model LM-Q720AM cell phone on 9-14-2020. S/A Halseth was able to obtain a file system extraction on the LG cell phone using the Cellebrite 4 PC , but was unsuccessful in obtaining the logical extraction from the LG Cell phone. S/A Halseth made several attempts at completing the logical extraction, but every time was unsuccessful. S/A Halseth then utilized the Magnet Forensics Acquire software and was able to obtain an Acquire Quick Image of the LG cell phone. S/A Halseth found that the extractions that were collected did not contain any text/chat messages, phone logs, browser history, or any information about applications that were installed or in use on the LG cell phone. The extractions mainly contained image files, video files, and other types of media files.

On 9-15-2020, S/A Halseth conducted a data extraction on the Apple iPhone XR Model number A1984.

On 9-17-2020, S/A Halseth examined the data recovered from the Apple iPhone. S/A Halseth saw that there was activity on the phone right before the 911 call was made by AG Ravnsborg. S/A Halseth also identified that the iPhone was linked to the email address Jason.ravnsborg@state.sd.us which was being used as the Apple ID.

S/A Halseth found that a 911 call was made from the Apple iPhone XR on September $12^{\text {th }}, 2020$ at 10:24:22 and that the call lasted 142 seconds. S/A Halseth found that that there was Apple Safari History showing that on September 12 ${ }^{\text {th }}, 2020$ at 10:21:45 the following website was locally browsed from the Apple iPhone XR ; https://justthenews.com/accountability/political-ethics/riding-dragon-documentary-exposes-massive-biden-self-enrichment. Prior to that website being browsed, the following websites were also locally browsed:
a. https://mail.yahoo.com/m/?.src=ym\&reason=mobile

September $12^{\text {th }}, 2020$ at 10:17:25 PM
b. https://mail.yahoo.com/m/folders/1?.src=ym\&reason=mobile

September $12^{\text {th }}, 2020$ at 10:17:26 PM
c.
https://mail.yahoo.com/m/folders/1/messages/AM5Sv3hQjkCmX11aoQkf8Btz7F0
September $12^{\text {th }}, 2020$ at 10:18:21 PM
d. https://mail.yahoo.com/m/folders/1?.src=ym\&reason=mobile

September $12^{\text {th }}, 2020$ at 10:20:42 PM
e. http://dakotafreepress.com/

September $12^{\text {th }}, 2020$ at 10:20:49 PM
f. https://www.realclearpolitics.com/

September 12 ${ }^{\text {th }}, 2020$ at 10:21:13 PM

This affidavit is submitted in support of an application for the issuance of a search warrant for Apple Inc. Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014, Apple Account: Jason.ravnsborg@state.sd.us and any data found therein.

Your affiant states that, due to the nature of this investigation and the involvement of investigators from the state of ND, the information sought from this warrant will be transmitted to the state of North Dakota for analysis by SA Halseth. Your affiant asks the court to authorize the items disclosed be sent directly to SA Halseth, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

Your affiant states that there is probable cause to believe that currently within the aforementioned Apple account, there exists, evidence, fruits, instrumentalities, of violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites-Prohibition) and 32-26-47.1 (Use of mobile electronic device--Prohibitions.)

Your Affiant is submitting this affidavit in support of a warrant authorizing a search of Apple Inc. Attn: Custodian of Records 1 Infinite Loop, Cupertino, CA 95014, Apple Account: Jason.ravnsborg@state.sd.us and media found therein, for the items specified and listed above, which items constitute instrumentalities, fruits, and evidence of the foregoing violation.

Your Affiant obtained a search warrant on October 1, 2020. That warrant was served by Agents from the North Dakota Bureau of Criminal Investigation (ND BCI) to Apple Inc on October 2, 2020. Agents from the ND BCI received the information back from Apple Inc on October 20, 2020. Agents from the ND BCI downloaded but have not reviewed the data provided by Apple. Your Affiant is seeking a second warrant for the ND BCI to open the information provided by Apple Inc. to comply with the requirements addressed by US $8^{\text {th }}$ Circuit Court of Appeals decision of the United States of America v. Meamen


Subscribed to and before me, in my presence this $2 \succ \nsim$ day of October, 2020.


STATE OF SOUTH DAKOTA) COUNTY OF HYDE )

STATE OF SOUTH DAKOTA )
Plaintiff,
vs.
Jason Ravnsborg and
Apple Inc.
Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014
Apple Account: Jason.ravnsborg@state.sd.us

IN CIRCUIT COURT

## SS

SIXTH JUDICIAL CIRCUIT

## SEARCH WARRANT

)

Defendant,

TO ANY LAW ENFORCEMENT OFFICER IN THE COUNTY OF PENNINGTON:
Proof of Affidavit has been made before me by Trooper John Berndt that there is probable cause to believe that the property described herein may be found at the location set forth herein and the property is:
(PLACE INITIALS IN APPROPRIATE BLANKS)
$\qquad$ Property that constitutes evidence of the commission of a criminal offense;
$\qquad$ Contraband, the fruits of crime, or things otherwise criminally possessed;
$\qquad$ Property designed to intended for use in, or which is or has been used as the means of, committing a criminal offense.

## YOU ARE THEREFORE, commanded to search:

Apple Inc. Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014, Apple Account: Jason.ravnsborg@state.sd.us

## For the following property:

Apple Account: Jason.ravnsborg@state.sd.us and any data found therein, including the following:

Your affiant is requesting the following information be disclosed by Apple to the extent that the information described is within the possession, custody, or control of Apple, including any messages, records, files, logs, or information that have been deleted but are still available to Apple, or have been preserved pursuant to a request made under 18 U.S.C. § 2703(f), Apple is required to disclose the following information to the government, in unencrypted form whenever available, for each account or identifier listed:
a. All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, email addresses (including primary, alternate, rescue, and notification email addresses, and verification information for each email address), the date on which the account was created, the length of service, the IP address used to register the account, account status, methods of connecting, and means and source of payment (including any credit or bank account numbers);
b. All records or other information regarding the devices associated with, or used in connection with, the account (including all current and past trusted or authorized iOS devices and computers, and any devices used to access Apple services), including serial numbers, Unique Device Identifiers ("UDID"), Advertising Identifiers ("IDFA"), Global Unique Identifiers ("GUID"), Media Access Control ("MAC") addresses, Integrated Circuit Card ID numbers ("ICCID"), Electronic Serial Numbers ("ESN"), Mobile Electronic Identity Numbers ("MEIN"), Mobile Equipment Identifiers ("MEID"), Mobile Identification Numbers ("MIN"), Subscriber Identity Modules ("SIM"), Mobile Subscriber Integrated Services Digital Network Numbers ("MSISDN"), International Mobile Subscriber Identities ("IMSI"), and International Mobile Station Equipment Identities ("IMEI");

[^1]other records related to iCloud Mail, iCloud Photo Sharing, My Photo Stream, iCloud Photo Library, iCloud Drive, iWorks (including Pages, Numbers, and Keynote), iCloud Tabs, and iCloud Keychain, and all address books, contact and buddy lists, notes, reminders, calendar entries, images, videos, voicemails, device settings, and bookmarks;
e. All records and information regarding locations where the account was accessed, including all data stored in connection with Location Services;
f. All records pertaining to communications between Apple and any person regarding the account, including contacts with support services and records of actions taken.

## All information described above involving Jason Ravnsborg

(Jason.ravnsborg@state.sd.us) from September 12, 2020 and September 13, 2020 including, for each account or identifiers, information pertaining to the following matters:
a. The identity of the person(s) who created or used the Apple ID, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

Your Affiant obtained a search warrant on October 1, 2020. That warrant was served by Agents from the North Dakota Bureau of Criminal Investigation (ND BCI) to Apple Inc on October 2, 2020. Agents from the ND BCI received the information back from Apple Inc on October 20, 2020. Agents from the ND BCI downloaded but have not reviewed the data provided by Apple. Your Affiant is seeking a second warrant for the ND BCI to open the information provided by Apple Inc. to comply with the requirements addressed by US $8^{\text {th }}$ Circuit Court of Appeals decision of the United States of America v. Meamen Jean Nyah.

## Method of Service

Items disclosed pursuant to this search warrant can be served by sending, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.

This Warrant may be executed in accordance with my initials placed below:
(YOU MUST INITIAL AT LEAST ONE BLANK)
$\qquad$ You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4.
BJR You may serve this Warrant only during the daytime. Night is that period from 8:00 p.m. to 8:00 a.m. local time.
$\qquad$ You may execute this Warrant without notice of execution required by SDCL 23A-35-9 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed of), (that danger of life or limb or the officer or another, may result).
$\qquad$ You may serve this Warrant on Sunday.

If the above-described property be seized, it should be returned to me at the Courthouse of this Court.

Dated this $\qquad$ 27th day of $\qquad$ October , 2020, at $\qquad$ Trips County

South Dakota.

$$
\frac{\text { Botli \& Rank }}{\text { (Magistrate) (Circuit Judge) }}
$$

Apple Inc.
Attn: Custodian of Records Apple Inc.,
1 Infinite Loop, Cupertino, CA 95014
Apple Account: Jason.ravnsborg@state.sd.us

## DEFENDANT)

(In the matter of a FATAL CRASH in Hyde County)

1, Trooper John Berndt, a law enforcement officer of the State of South Dakota, obtained a Search Warrant dated October 27 ${ }^{\text {th }}, 2020$, issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken during the execution of the above described Warrant. A copy of the warrant was provided to Agents from North Dakota Bureau of Criminal Investigations and served by that agency. The ND BCI information is detailed below:

On October $2^{\text {nd }}, 2020$ S/A Halseth, of the North Dakota Bureau of Criminal Investigations, served the search warrant on Apple, Inc. that had been granted on October $1^{\text {st }}, 2020$ for the contents of Attorney General Jason Ravsborg's Apple Account Jason.ravnsborg@state.sd.us. On October 20 ${ }^{\text {th }}$, 2020 S/A Cassidy Halseth received from the Apple Law Enforcement Response Team and email containing a 5.80 GB encrypted zip file containing the Apple Account Jason.ravnsborg@state.sd.us contents requested from the search warrant that was applied for and signed on October 1 ${ }^{\text {st }}, 2020$.

On October 27 th, 2020 a second search warrant was applied for and granted to allow the viewing of the Apple Account Jason.ravnsborg@state.sd.us
contents. On October $28^{\text {th }}, 2020$ S/A Halseth was able to review all contents received, and was able to save and preserve all contents received.

S/A Halseth will save and maintain the contents that were received and all contents will be made available for review upon request. Please accept this letter along with the original copy of the signed search warrant to complete the search warrant return requirement.

Dated this 2nd day-g November, 2020; at Aberdeen, South Dakota.


Subscribed to and sworn to before me, a Notary Public, on this 2 day of November, 2020.


My Commission Expires 06-07-2025

STATE OF SOUTH DAKOTA Plaintiff, )) SEALING SEARCH WARRANT AFFIDAVIT

Vs.
Jason Ravnsborg and

Apple Inc.
Attn: Custodian of Records Apple Inc., 1 Infinite Loop, Cupertino, CA 95014
Apple Account: Jason.ravnsborg@state.sd.us
Defendant,
(In the matter of Criminal Activity in Hyde County)
Search Warrant issued October $27^{\text {th }}, 2020$

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that, should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of the investigation and the information currently being obtained during the course of this investigation.


Subscribed and sworn to before me, in my presence, this $)^{\simeq}$ day of Nover- 2020


My commission expires: $\qquad$

STATE OF SOUTH DAKOTA
Plaintiff,
vs.

## ORDER TO SEAL PURSUANT

TO SDCL 23A-35-4.1

Jason Ravnsborg and
Apple Inc.
Attn: Custodian of Records Apple Inc.,
1 Infinite Loop, Cupertino, CA 95014
Apple Account: Jason.ravnsborg@state.sd.us
Defendant
(In the matter of Fatal Crash Investigation)
Search Warrant issued October 27 $7^{\text {th }}, 2020$
Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant
Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated October 27, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this $2^{\text {nd }}$ day of November, 2020.


```
STATE OF SOUTH DAKOTA)
\(\qquad\)

STATE OF SOUTH DAKOTA)
PLAINTIFF, )

AFFIDAVIT IN SUPPORT OF
REQUEST FOR SEARCH WARRANT
```

VS, )

```
```

VS, )

```
```

VS, )

```

AT\&T Wireless.
Attn: Custodian of Records,
11760 US Highway 1, Ste. 600, North Palm Beach, FL 33408, AT\&T Account: 605-661-6186.

DEFENDANT)
(In the matter of a FATAL CRASH in Hyde County)

The undersigned being duly sworn, respectfully requests a Search Warrant to be issued for the following property/information:

AT\&T Account: 605-661-6186 and any data located therein, including:
The contents of any communication or file stored by or for the Account(s) and any associated accounts, and any information associated with those communications or files, such as the source and destination email addresses or IP addresses.

All records and other information relating to the Account(s) and any associated accounts including the following:
a. Names (including subscriber names, user names, and screen names);
b. Addresses (including mailing addresses, residential addresses, business addresses, and e-mail addresses);
c. Local and long distance telephone connection records;
d. Records of session times and durations;
e. Length of service (including start date) and types of service utilized;
f. Telephone or instrument numbers (including MAC addresses);
g. Other subscriber numbers or identities (including temporarily assigned network addresses, registration Internet Protocol ("IP") addresses, and records showing IP addresses used to access the Account(s)); and
h. Means and source of payment for such service (including any credit card or bank account number) and billing records.
i. Data record logs
j. Tolls -date, time and length of call for outgoing calls, only non-restricted inbound
k. SMS/MMS/iMessages Logs and stored Communication
1. Cell Tower records
M. Call Detail Records -date, time and length of call for outgoing and incoming calls; captures outbound digits and incoming numbers
N. ESN-electronic serial number of the phone
0. Calls to a Number -date, time and length of calls for all mobiles that called a specific destination number
P. Location -cell site that handled the call and GPS coordinates

All information described above that constitutes contraband, fruits, evidence and/or instrumentalities of violations of South Dakota Codified Laws 32-26-47.2 (Social networking sites--Prohibition) and 32-26-47.1 (Use of mobile electronic device-Prohibitions.), involving Jason Ravnsborg (605-661-6186) from September 12, 2020 and September 13, 2020 including, for each account or identifiers listed on Exhibit A, information pertaining to the following matters:
a. The identity of the person(s) who created or used the cellular phone, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property (Describe premises with address, description and particularity)

AT\&T Wireless.
Attn: Custodian of Records, 11760 US Highway 1, Ste. 600, North Palm Beach, FL 33408, AT\&T Account: 605-661-6186.

The undersigned requests that the Search Warrant be issued because the above-described property is:

\section*{(PLACE INITIALS IN THE APPROPRIATE BLANK)}


Property that constitutes evidence of the commission of a criminal offense;
Contraband, the fruits of crime, or things otherwise criminally possessed;
__ Property designed or intended for use in, or which is or had been used as the means of, committing a criminal offense.

The undersigned further requests:

\section*{(PLACE INITIALS IN THE APPROPRIATE BLANK)}
\(\qquad\) Execution of Search Warrant at night pursuant to SDCL 23A-35-A;
\(\qquad\) That no notice be giving to the execution of the Search Warrant pursuant to SDCL 23A-35-9;

Authorization to serve the Search Warrant on Sunday;

\section*{\(\overline{J B}\)}

Execution of the Search Warrant during the daytime;

The facts in support of the issuance of a Search Warrant are as follows;
Your Affiant, Trooper John Berndt, of the South Dakota Highway Patrol being first duly sworn, deposes and states under penalty of perjury:

Your Affiant is a Trooper with the South Dakota Highway Patrol and have been so employed for the past 4 years and 9 months. Your Affiant was also employed as a State Trooper from the time of October 2005 until August of 2014. During this time, Your Affiant was trained as a Crash Reconstructionist and was responsible for the reconstruction of serious injury and fatality crashes. Prior to attaining the title of South Dakota State Trooper, Your Affiant was employed by the South Dakota Highway Patrol Motor Carrier Services Division as a Motor Carrier Inspector and Motor Carrier Officer for 7 years and 2 months. Your Affiant has been trained and actively involved in the investigation of motor vehicle crashes.

Your Affiant has investigated and/or reconstructed numerous vehicle crashes involving bodily injury and/or property damage. Your Affiant has been actively involved in the investigation of over 100 fatal crashes. Your Affiant has received over 1,050 hours of training in the investigation and reconstruction of traffic crashes. Your Affiant currently instructs Intermediate and Advanced Crash Investigation to law enforcement in South Dakota. Your affiant states the following:

On 09/13/20, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County. The crash had occurred the previous evening, on 09/12/20. Your affiant responded to the crash scene immediately following notification. On arrival, initial responding law enforcement advised that the preliminary investigation indicated a 2011 Red Ford Taurus bearing SD Lic\# G00027 and registered to Jason Ravnsborg was traveling westbound on US Hwy 14 near MM 277. Preliminary investigation indicated the vehicle was being operated by Ravnsborg, who was the lone occupant. At approximately 2224 hours, Mr. Ravnsborg contacted 911 and reported he had struck an unknown object with his vehicle and requested police response. It is notable that Ravnsborg is the elected Attorney General for South Dakota.

Hyde County Sheriff Mike Volek responded to the scene. Volek reported that he and Ravnsborg had conducted a preliminary search of the north ditch of US Hwy 14 searching for the unknown object that Ravnsborg had struck but did not locate anything. Ravnsborg was not injured in the crash. Volek loaned his personal car to Ravnsborg who used it to return to Pierre, SD, prior to the arrival of a tow truck.

Your affiant states that, on the morning of September 13th, Ravnsborg was returning the vehicle and stopped at the crash scene. Mr. Ravnsborg discovered a body in the area of the crash he was involved in the night before. Mr. Ravnsborg notified Sheriff Volek of his discovery. The South Dakota Highway Patrol was requested to respond and investigate the crash.

SDHP personnel later identified the pedestrian as Joseph Boever. His body was located in the north ditch of US Hwy 14, approximately 2 feet north of the asphalt edge of the road shoulder. Visible evidence at the scene is limited to the north shoulder of the roadway and north ditch, with exception to one bolt. That bolt is located near the north fogline. In addition, a light was located in the area of the crash along the north ditch. At the time of its discovery, the light was still in the "on" position and illuminated. Preliminary investigation indicates that Boever was carrying a light while walking a few minutes before the crash, and that the light was illuminated.

A preliminary inspection of the vehicle revealed that the 2011 Ford Taurus driven by Ravnsborg likely struck Boever with the front passenger corner causing damage to the right headlight, right front fender, right outside mirror, right side of the hood, windshield, wheel well and bumper. Based on the location of Boever's body at the time of discovery, the location of physical evidence at the scene of the crash, and the damage to Ravnsborg vehicle, it is likely that Boever was walking on the north edge of the highway, likely on the north side of the fog line, and carrying an illuminated light when he was struck by Ravnsborg.

Your affiant states that an additional aspect of the investigation involves activity and behaviors of Ravnsborg in the moments before and after the crash. These activities may lend some clarity to contributing factors of the crash, such as speed, impairment, or, in
this case, whether Ravnsborg was distracted at the time of the crash, leading him to operate his vehicle in a reckless or negligent manner.

Due to his position as the elected Attorney General for the State of South Dakota, Ravnsborg oversees the SD Division of Criminal Investigation. Consequently, assistance was requested from the North Dakota Bureau of Criminal Investigation and they arrived later on 9-13-2020.

Special Agent (S/A) Cassidy Halseth was one of the agents that assisted in the investigation and has been involved in the process of extracting information from the cellular telephones of Ravnsborg. On 9/29/2020, SA Halseth contacted your affiant for assistance in obtaining search warrants for the electronic activity of Ravnsborg in the periods of time surrounding the crash. SA Halseth provided the following supplement to this affidavit:

Special Agent Cassidy Halseth, has been employed with the North Dakota Bureau of Criminal Investigation since December of 2017 and has been a licensed peace officer in the State of North Dakota since 2001. Prior to being employed by the North Dakota Bureau of Criminal Investigation, S/A Halseth was employed by the Minot Police Department, Minot, ND from September 2002 to December 2017. S/A Halseth has received training in computer forensics from X-Ways Forensics. Access Data for Forensic Tool Kit, Cellebrite, Magnet Forensics, and through the International Association of Computer Investigative Specialists (IACIS) Basic Computer Forensic Examiners Course and is a currently certified Computer Forensic Examiner through IACIS.

S/A Halseth stated that S/A Halseth received two cellular phones belonging to Jason Ravnsborg as part of this investigation. Both of the cellular phones were reported to be in the possession of Jason Ravnsborg during the crash incident. Jason Ravnsborg voluntarily consented to having both these cellular phones examined. The first cellular phone was an LG Model LM-Q720AM cell phone with serial number 910VTJH0029972. The second cellular phone was an Apple iPhone XR Model number A1984 with serial number DX3YN7BYKXKN.

S/A Halseth conducted a data extraction of the LG Model LM-Q720AM cell phone on 9-142020. S/A Halseth was able to obtain a file system extraction on the LG cell phone using the Cellebrite 4 PC , but was unsuccessful in obtaining the logical extraction from the LG Cell phone. S/A Halseth made several attempts at completing the logical extraction, but every time was unsuccessful. S/A Halseth then utilized the Magnet Forensics Acquire software and was able to obtain an Acquire Quick Image of the LG cell phone. S/A. Halseth found that the extractions that were collected did not contain any text/chat messages, phone logs, browser history, or any information about applications that were installed or in use on the LG cell phone. The extractions mainly contained image files, video files, and other types of media files.

On 9-15-2020, S/A Halseth conducted a data extraction on the Apple iPhone XR Model number A1984.

On 9-17-2020, S/A Halseth examined the data recovered from the Apple iPhone. S/A Halseth saw that there was activity on the phone right before the 911 call was made by AG Ravnsborg. S/A Halseth also identified that the iPhone was linked to the email address Jason.ravnsborg@state.sd.us which was being used as the Apple ID.

S/A Halseth found that a 911 call was made from the Apple iPhone XR on September \(12^{\text {th }}, 2020\) at 10:24:22 and that the call lasted 142 seconds. S/A Halseth found that that there was Apple Safari History showing that on September \(12^{\text {th }}, 2020\) at \(10: 21: 45\) the following website was locally browsed from the Apple iPhone XR ; https://justthenews.com/accountability/political-ethics/riding-dragon-documentary-exposes-massive-biden-self-enrichment. Prior to that website being browsed, the following websites were also locally browsed:
a. https://mail.yahoo.com/m/?.src=ym\&reason=mobile September \(12^{\text {th }}, 2020\) at 10:17:25 PM
b. https://mail.yahoo.com/m/folders/1?.src=ym\&reason=mobile

September \(12^{\text {th }}, 2020\) at 10:17:26 PM
c.
https://mail.yahoo.com/m/folders/1/messages/AM5Sv3hOjkCmX11aoQkf8Btz7F0
September \(12^{\text {th }}, 2020\) at 10:18:21 PM
d. \(\quad \mathrm{https}: / / \mathrm{mail} . y a h o o . c o m / m /\) folders \(/ 1\) ?.src=ym\&reason=mobile

September \(12^{\text {th }}, 2020\) at 10:20:42 PM
e. http://dakotafreepress.com/

September 12 \({ }^{\text {th }}, 2020\) at 10:20:49 PM
f. https://www.realclearpolitics.com/

September \(12^{\text {th }}, 2020\) at 10:21:13 PM
S/A Halseth was able to find the phone number for the LG Model LM-Q720AM cellular phone. The phone number was 605-661-6186. Based on this information, it appeared the cellular phone service for the phone was through AT\&T Wireless.

Based on the fact that S/A Halseth was unable to extract phone usage data from the LG Cellular phone and based on the fact that the Apple iPhone showed clearly that the cell phone was being utilized while operating a motor vehicle, Your Affiant believes critical data may be obtained by obtaining phone data from AT\&T Wireless regarding usage of the LG Phone.

This affidavit is submitted in support of an application for the issuance of a search warrant for AT\&T Wireless. Attn: Custodian of Records, 11760 US Highway 1, Ste. 600, North Palm Beach, FL 33408, AT\&T Account: 605-661-6186.

Your affiant states that, due to the nature of this investigation and the involvement of investigators from the state of ND, the information sought from this warrant will be transmitted to the state of North Dakota for analysis by SA Halseth. Your affiant asks the court to authorize the items disclosed be sent directly to SA Halseth, on any digital media
device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

Your Affiant believes there is probable cause to believe that currently within the aforementioned AT\&T Wireless account, there exists, evidence, fruits, instrumentalities, of violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites-Prohibition) and 32-26-47.1 (Use of mobile electronic device--Prohibitions.)

Your Affiant is submitting this affidavit in support of a warrant authorizing a search of AT\&T Wireless. Attn: Custodian of Records AT\&T Wireless. Attn: Custodian of Records, 11760 US Highway 1, Ste. 600, North Palm Beach, FL 33408, AT\&T Account: 605-661-6186 and media found therein.


STATE OF SOUTH DAKOTA) COUNTY OF HYDE )

STATE OF SOUTH DAKOTA
vs.
Jason Ravnsborg and
AT\&T Wireless.
Attn: Custodian of Records, 11760 US Highway 1, Ste. 600, North Palm Beach, FL 33408, AT\&T Account: 605-661-6186.

Defendant,

TO ANY LAW ENFORCEMENT OFFICER IN THE COUNTY OF PENNINGTON:
Proof of Affidavit has been made before me by Trooper John Berndt that there is probable cause to believe that the property described herein may be found at the location set forth herein and the property is:
(PLACE INITIALS IN APPROPRIATE BLANKS)
BJR Property that constitutes evidence of the commission of a criminal offense;
___ Contraband, the fruits of crime, or things otherwise criminally possessed;
__ Property designed to intended for use in, or which is or has been used as the means of, committing a criminal offense.

\section*{YOU ARE THEREFORE, commanded to search:}

AT\&T Wireless.
Attn: Custodian of Records, 11760 US Highway 1, Ste. 600, North Palm Beach, FL 33408, AT\&T Account: 605-661-6186.

\section*{For the following property:}

AT\&T Account: 605-661-6186 and any data located therein, including:
The contents of any communication or file stored by or for the Account(s) and any associated accounts, and any information associated with those communications or files, such as the source and destination email addresses or IP addresses.

All records and other information relating to the Account(s) and any associated accounts including the following:
a. Names (including subscriber names, user names, and screen names);
b. Addresses (including mailing addresses, residential addresses, business addresses, and e-mail addresses);
c. Local and long distance telephone connection records;
d. Records of session times and durations;
e. Length of service (including start date) and types of service utilized;
f. Telephone or instrument numbers (including MAC addresses);
g. Other subscriber numbers or identities (including temporarily assigned network addresses, registration Internet Protocol ("IP") addresses, and records showing IP addresses used to access the Account(s)); and
h. Means and source of payment for such service (including any credit card or bank account number) and billing records.
i. Data record logs
j. Tolls - date, time and length of call for outgoing calls, only non-restricted inbound
k. SMS/MMS/iMessages Logs and stored Communication
1. Cell Tower records
M. Call Detail Records - date, time and length of call for outgoing and incoming calls; captures outbound digits and incoming numbers
N. ESN-electronic serial number of the phone
0. Calls to a Number-date, time and length of calls for all mobiles that called a specific destination number
P. Location - cell site that handled the call and GPS coordinates

All information described above that constitutes contraband, fruits, evidence and/or instrumentalities of violations of South Dakota Codified Laws 32-26-47.2 (Social networking sites--Prohibition) and 32-26-47.1 (Use of mobile electronic device-Prohibitions.), involving Jason Ravnsborg (605-661-6186) from September 12, 2020 and September 13, 2020 including, for each account or identifiers listed on Exhibit A, information pertaining to the following matters:
a. The identity of the person(s) who created or used the cellular phone, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

\section*{Method of Service}

Items disclosed pursuant to this search warrant can be served by sending, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.
This Warrant may be executed in accordance with my initials placed below:

\section*{(YOU MUST INITIAL AT LEAST ONE BLANK)}

You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4. BJR You may serve this Warrant only during the daytime. Night is that period from 8:00 p.m. to 8:00 a.m. local time.
\(\qquad\) You may execute this Warrant without notice of execution required by SDCL 23A-35-9 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed of), (that danger of life or limb or the officer or another, may result).
\(\qquad\) You may serve this Warrant on Sunday.

If the above-described property be seized, it should be returned to me at the Courthouse of this Court.

Dated this 1st ___ day of October , 2020, at Trips County South Dakota.


STATE OF SOUTH DAKOTA)
PLAINTIFF,
VERIFIED INVENTORY
```

VS, )

```

AT\&T Wireless.
Attn: Custodian of Records, 11760 US Highway 1, Ste. 600, North Palm Beach, FL 33408, AT\&T Account: 605-661-6186.

DEFENDANT)
(In the matter of a FATAL CRASH in Hyde County)

I, Trooper John Berndt, a law enforcement officer of the State of South Dakota, obtained a Search Warrant dated October \(1^{\text {st }}, 2020\), issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken during the execution of the above described Warrant. A copy of the warrant was provided to Agents from North Dakota Bureau of Criminal Investigations and served by that agency. The ND BCI information is detailed below:

On October \(2^{\text {nd }}, 2020\) S/A Halseth, of the North Dakota Bureau of Criminal Investigation, served the search warrant on AT\&T that had been granted on October 1 \({ }^{\text {st }}, 2020\) for the contents of Attorney General Jason Ravsborg's AT\&T Account with the phone number of 605-661-6186. On October \(4^{\text {th }}\), 2020 S/A Cassidy Halseth received from AT\&T an email containing nine separate files containing the information requested from the search warrant that was applied for and signed on October \(1^{\text {st }}, 2020\).

S/A Halseth will save and maintain the contents that were received and all contents will be made available for review upon request. Please accept this letter along with the original copy of the signed search warrant to complete the search warrant return requirement.

Dated this 2nd day of November, 2020, at Aberdeen, South Dakota.


Subscribed to and sworn to before me, a Notary Public, on this \(\underline{2}\) day of November, 2020.

\begin{tabular}{ll} 
STATE OF SOUTH DAKOTA & ) \begin{tabular}{l} 
AFFIDAVIT IN SUPPORT OF \\
Plaintiff,
\end{tabular} \\
SEALING SEARCH WARRANT
\end{tabular}

Vs.
AT\&T Wireless.
Attn: Custodian of Records
11760 US Highway 1, Ste. 600, North Palm Beach, FL 33408, AT\&T Account: 605-661-6186

Defendant,
(In the matter of Criminal Activity in Hyde County)
Search Warrant issued October 1, 2020

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that, should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of the investigation and the information currently being obtained during the course of this investigation.


My commission expires:
My Commission Expires 06-07-2025

IN CIRCUIT COURT

SIXTH JUDICIAL CIRCUIT

STATE OF SOUTH DAKOTA
Plaintiff,
vs.
AT\&T Wireless
Attn: Custodian of Records
11760 US Highway 1, Ste. 600, North Palm Beach, FL 33408,
AT\&T Account: 605-661-6186
Defendant
(In the matter of Fatal Crash Investigation)
Search Warrant issued October \(1^{\text {st }}, 2020\)
Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated October 1, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this \(2^{\text {nd }}\) day of November, 2020.


\footnotetext{
Bobbi J. Rank
Circuit Court Judge
Sixth Judicial Circuit
}

SOUTH DAKOTA HEALTH LABORATORY
615 E. 4 TH STH \({ }^{\circ}\) PIERRE, \(\$\) D \(575014700^{\circ}\)
TOXICOLOGY SUBMISSNON FORM
TOXICOLOGY SUBMISSSON FORM
Re, Re,


 CASE \#



DATE OF BIRTH
County of incipent: Minde
CIDENT DATE 091210
ATALITY DATE

\(]_{\text {TIME }}\) \(\qquad\)
FATALTY SAMPLE SOÜRCE* \(\square \square\) OTHER \(\qquad\)
 TYPE OF SAMPLE* K OLHER
REASON FOR TESTTR OTHER
\(\qquad\) GHECK IF पDRE EVAUUTION TI24/ PROGRAM SAMPLE DATE SAMPLE TIME

\(\qquad\) collector's tute MLT/ ASE

 REQUESTOF'S
PRINTED NAME agicy \(\qquad\) collector's signature brenda founstuivelmail * NOTE: CODES ARE FOUND ON BACK OF YELLOW COPY. MAAIL WHITE COPY WITH SAMMPLE. \(\qquad\)
 TOXICOLOGY SUBMISSSION FORM
- \(4 \times 1 \leqslant\) REQUESTEO
OTHER
 CIM URINE INSTRUCTIONSSSEE SAMP LE COLLECTION SHEEE: INC LUDED IN URINE KITS: PLEASE PRINT LEGGBLY.
 CLEANSER CODE NA OTHER TYPE OF SAMPEE* BD OTHER , or
\(\qquad\) REQUESTOR'S
PRINTED NAME
agency
ADDRESS , 1
\(\qquad\)

ADAES, CITV/STATE \(\qquad\)
 COLLECTOR'S TTLE MLT / ASTP COLECTOR'S INTIALS N PHONE \# HONE \# \(\qquad\) b
FATALITY SAMPLE SOUURCE* \(\square \square\) OTHER
 \(\qquad\)

To: Sgt. Isaac Kurtz
South Dakota HP \& DRE Program

Sample Collection Date: September 13, 2020
Subject: Jason Ravnsborg

The following evidence was submitted to the Laboratory by a representative of the South Dakota HP \& DRE Program on 10/23/2020 via FedEx:

Submission 01: One tape sealed and initialed plastic bag containing one tape sealed and initialed screw top metal canister containing a second screw top metal canister with one tube of blood. Attached paperwork marked in part "J. Ravnsborg", blood tube marked in part "Jason Ravnsborg".

Item \# 01-A: One gray top tube with approximately 8 mL of blood collected at 1339 hours.

\section*{Service Request:}

FP666B - DUID Routine Panel (Confirm) Blood

\section*{Drug Screen Results - ELISA}
\begin{tabular}{lll} 
Drug Screen Classification & Result & Limit of Detection \\
\hline Amphetamine & Not Detected & \(20.0 \mathrm{ng} / \mathrm{mL}\) \\
Barbiturates & Not Detected & \(1.0 \mathrm{mcg} / \mathrm{mL}\) \\
Benzodiazepines & Not Detected & \(25.0 \mathrm{ng} / \mathrm{mL}\) \\
Buprenorphine & Not Detected & \(1.0 \mathrm{ng} / \mathrm{mL}\) \\
Carisoprodol & Not Detected & \(500.0 \mathrm{ng} / \mathrm{mL}\) \\
Cocaine Metabolite & Not Detected & \(50.0 \mathrm{ng} / \mathrm{mL}\) \\
Fentanyl & Not Detected & \(1.0 \mathrm{ng} / \mathrm{mL}\) \\
Marijuana Metabolite & Not Detected & \(10.0 \mathrm{ng} / \mathrm{mL}\) \\
Methadone & Not Detected & \(25.0 \mathrm{ng} / \mathrm{mL}\) \\
Methamphetamine & Not Detected & \(20.0 \mathrm{ng} / \mathrm{mL}\) \\
Opiates & Not Detected & \(10.0 \mathrm{ng} / \mathrm{mL}\) \\
Oxycodone \(\backslash\) Oxymorphone & Not Detected & \(5.0 \mathrm{ng} / \mathrm{mL}\) \\
PCP & Not Detected & \(5.0 \mathrm{ng} / \mathrm{mL}\) \\
Tramadol & Not Detected & \(50.0 \mathrm{ng} / \mathrm{mL}\) \\
Zolpidem & Not Detected & \(5.0 \mathrm{ng} / \mathrm{mL}\)
\end{tabular}

Respectfully,


Gregory Priebe, M.S., D-ABFT-FT
Senior Forensic Toxicologist

Date of Report: November 6, 2020

Ascertain Forensics at Redwood Toxicology is accredited by The American Board of Forensic Toxicology (ABFT) and is recognized by the State of California as a Title 17 Forensic Alcohol Laboratory.

All samples, including the sample packaging, will be retained at the laboratory for one year after the date of report. After one year, the samples and packaging will be destroyed unless the client requests that the samples be returned or an alternate retention policy has been set up with the laboratory. The laboratory cannot ship controlled substances.

\section*{ASCERTAIN}

FORENSICS

\section*{Comments}

None

STATE OF SOUTH DAKOTA)
PLAINTIFF, )
VS, )

AFFIDAVIT IN SUPPORT OF
REQUEST FOR SEARCH WARRANT

\section*{ELECTRONIC VIDEO SURVEILLANCE SYSTEM}

HALL OIL AND GAS
100 US HWY 14 W
HIGHMORE, SD 57345 )

\section*{DEFENDANT)}
(In the matter of a FATAL CRASH in Hyde County)

The undersigned being duly sworn, respectfully requests a Search Warrant to be issued for the following property/information:

Video and/or electronic data stored within the video surveillance system.
The storage device containing the video and/or electronic data may be removed from the business for analysis and downloading.

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property (Describe premises with address, description and particularity)

Electronic video surveillance recording system
Hall Oil and Gas
100 US HWY 14 W
Highmore, SD 57345
The electronic storage device containing the video and/or electronic data may be removed from the business for analysis and downloading. The storage device may be transported to another location for analysis and/or downloading of information at another date and time.

The undersigned requests that the Search Warrant be issued because the above-described property is:
(PLACE INITIALS IN THE APPROPRIATE BLANK)


Property that constitutes evidence of the commission of a criminal offense;
Contraband, the fruits of crime, or things otherwise criminally possessed;
\(\qquad\)
Property designed or intended for use in, or which is or had been used as the means of, committing a criminal offense.

The undersigned further requests:
(PLACE INITIALS IN THE APPROPRIATE BLANK)
\(\qquad\) Execution of Search Warrant at night pursuant to SDCL 23A-35-A;
\(\qquad\) That no notice be giving to the execution of the Search Warrant pursuant to SDCL 23A-35-9;
\(\qquad\) Authorization to serve the Search Warrant on Sunday;

Execution of the Search Warrant during the daytime;

The facts in support of the issuance of a Search Warrant are as follows;
1. I, Trooper John Berndt, am a Trooper with the South Dakota Highway Patrol and have been so employed for the past 4 years and 9 months. I was also employed as a State Trooper from the time of October 2005 until August of 2014. During this time, I was trained as a Crash Reconstructionist and was responsible for the reconstruction of serious injury and fatality crashes. Prior to attaining the title of South Dakota State Trooper, I was employed by the South Dakota Highway Patrol Motor Carrier Services Division as a Motor Carrier Inspector and Motor Carrier Officer for 7 years and 2 months. I have been trained and actively involved in the investigation of motor vehicle crashes. During my career I have investigated and/or reconstructed numerous vehicle crashes involving bodily injury and/or property damage. I have been actively involved in the investigation of over 100 fatal crashes. I have received over 1,050 hours of training in the investigation and reconstruction of traffic crashes. I currently instruct Intermediate and Advanced Crash Investigation to law enforcement in South Dakota.
2. On 09/13/20, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County. The crash had occurred the previous evening, on \(09 / 12 / 20\). Your affiant responded to the crash scene immediately following notification. On arrival, initial responding law enforcement advised that the preliminary investigation indicated a 2011 Red Ford Taurus bearing SD Lic\# G00027 and registered to Jason Ravnsborg was traveling westbound on US Hwy 14 near MM 277. Preliminary investigation indicated the vehicle was being operated by Ravnsborg, who was the lone
occupant. At approximately 2224 hours, Mr. Ravnsborg contacted 911 and reported he had struck an unknown object with his vehicle and requested police response. It is notable that Ravnsborg is the elected Attorney General for South Dakota.
3. Hyde County Sheriff Mike Volek responded to the scene. Volek reported that he and Ravnsborg had conducted a preliminary search of the north ditch of US Hwy 14 searching for the unknown object that Ravnsborg had struck but did not locate anything. Ravnsborg was not injured in the crash. Volek loaned his personal car to Ravnsborg who used it to return to Pierre, SD, prior to the arrival of a tow truck.
4. Your affiant states that, on the morning of September \(13^{\text {th }}\), Ravnsborg was returning the vehicle and stopped at the crash scene. Mr. Ravnsborg discovered a body in the area of the crash he was involved in the night before. Mr. Ravnsborg notified Sheriff Volek of his discovery. The South Dakota Highway Patrol was requested to respond and investigate the crash.
5. SDHP personnel later identified the pedestrian as Joseph Boever. His body was located in the north ditch of US Hwy 14, approximately 2 feet north of the asphalt edge of the road shoulder. Visible evidence at the scene is limited to the north shoulder of the roadway and north ditch, with exception to one bolt. That bolt is located near the north fogline. In addition, a light was located in the area of the crash along the north ditch. At the time of its discovery, the light was still in the "on" position and illuminated. Preliminary investigation indicates that Boever was carrying a light while walking a few minutes before the crash, and that the light was illuminated. The video surveillance may indicate if Mr. Boever possessed a light and if it was on in the moments prior to the crash.
6. A preliminary inspection of the vehicle revealed that the 2011 Ford Taurus driven by Ravnsborg struck Boever with the front passenger corner causing damage to the right headlight, right front fender, right outside mirror, right side of the hood, windshield, wheel well and bumper. Based on the location of Boever's body at the time of discovery, the location of physical evidence at the scene of the crash, and the damage to Ravnsborg vehicle, it is likely that Boever was walking on the north edge of the highway, likely on the north side of the fog line, and carrying an illuminated light when he was struck by Ravnsborg.
7. On September 14, 2020, your affiant determined video surveillance cameras were located near the highway, on the property of Hall Oil and Gas in Highmore, SD. These cameras are located throughout the property and have various vantage points of the highway and surrounding location. Your affiant met with the administration of Hall Oil and Gas. It was determined the system does record video of the surrounding area, to include the highway just prior to the crash location. Efforts to download the video on-site by law enforcement have been unsuccessful thus far.
8. Your affiant states that a critical component of this investigation is the timeline and speed of Mr. Ravnsborg's vehicle at the time of the crash. Based on my training and experience, these aspects assist investigators in determining if the driver was acting in a negligent manner. The video surveillance system at the
described location may contain video footage of Mr. Ravnsborgs vehicle seconds prior to the crash. Video surveillance of Mr. Ravnsborg's vehicle traveling through Miller, SD has been discovered. The timeline of Mr. Ravnsborg's vehicle between Miller, SD and Highmore, SD may assist in determining the speed of Mr. Ravnsborg's vehicle, moments prior to the crash. Information found within the video surveillance may also indicate the location of Mr. Ravnsborg's vehicle on the roadway, seconds prior to the crash. Video evidence showing the location of Mr. Ravnsborg's vehicle in the roadway may assist in determining if Mr . Ravnsborg was distracted.
9. The video surveillance system may also contain video footage of Mr. Boever walking along the highway, moments prior to the crash. Your affiant states that the crash location is a state highway located on the west edge of the city of Highmore. Witnesses have been located that observed Mr. Boever walking along the north ditch in the moments preceding the crash, near the crash location. These witnesses have provided specific description to the location of Mr. Boever on the shoulder and the lighting source he possessed. Eyeglasses located inside Mr. Ravnsborg's vehicle are believed to belong to Mr. Boever. Video footage of Mr. Boever walking may indicate if he was wearing eyeglasses prior to the crash. The video would also corroborate statements provided by witnesses regarding Mr. Boever's location on the shoulder of the roadway.
10. Your affiant states that Ravnsborg, in his capacity as the Attorney General, supervises the state's Division of Criminal Investigation. In order to maintain a neutral investigation, the SD Highway Patrol requested investigative support from the ND Bureau of Criminal Investigation. Your affiant states that the BCl has the capacity to perform forensic analysis on the video surveillance system. Your affiant states that efforts to analyze and download the video surveillance system on-site will be done. However, if the download is unsuccessful on-site the recording device of the video surveillance system may be removed for further analysis at another location on another date and time. Your affiant states that the forensic analysis of the video surveillance system would be conducted by ND BCl members, and any findings would be recorded and maintained by them.
11. Your affiant states, this case remains under investigation and information is still under review. The North Dakota Bureau of Criminal Investigation is reviewing information from Mr. Ravnsborg's electronic devices he possessed at the time of the crash. These devices may assist in determining if Mr. Ravnsborg was distracted at the time of the crash.
12. If it is determined Mr. Ravnsborg was distracted, speeding or exhibiting any other reckless driving habits at the time of the crash, he could face criminal charges, including those for manslaughter.
13. Based on the aforementioned facts, your affiant states that there is probable cause to believe the video surveillance system at the previously described location may contain video footage of Mr. Ravnsborg's vehicle and Mr. Boever walking near the roadway, moments prior to the crash.
14. Your affiant states, the review and analysis of video footage is routinely used to determine the location of pedestrians in the roadway, speed of passing vehicles and location where vehicles are operated on the roadway, prior to a crash occurring.

Wherefore, your affiant now believes that probable cause now exists for the issuance of a Search Warrant, and therefore, respectfully requests that the court issue its warrant of order and seizure, authorizing the search for the following:

Electronic video surveillance recording system
Hall Oil and Gas
100 US HWY 14 W
Highmore, SD 57345
The electronic storage device containing the video and/or electronic data may be removed from the business for analysis and downloading. The storage device may be transported to another location for analysis and/or downloading of information at another date and time.

Your affiant requestsa search warrant for the property described above.


Subscribed to and before me, in my presence this \(\partial Q \stackrel{\text { ti }}{\text { day }}\) of September, 2020.


My Commission Expires 06-07-2025

\title{
SEARCH WARRANT
}
```

VS, )

```

\section*{ELECTRONIC VIDEO SURVEILLANCE SYSTEM}

HALL OIL AND GAS
100 US HWY 14 W
HIGHMORE, SD 57345
DEFENDANT)
(In the matter of a FATAL TRAFFIC CRASH in HYDE COUNTY)

TO ANY LAW ENFORCEMENT OFFICER IN HYDE COUNTY

Proof by Affidavit(s) has been made before me by TROOPER JOHN BERNDT, with the South Dakota Highway Patrol that there is probable cause to believe that the property described herein may be found at the location set forth herein and the property is:
(PLACE INITIALS IN THE APPROPRIATE BLANK)
BJR
Property that constitutes evidence of the commission of a criminal offense;
Contraband, the fruits of a crime, or things otherwise criminally possessed;
Property designed or intended for use in, or which is or has been used as the means of, committing a criminal offense.

YOU ARE THEREFORE commanded to search (describe premises or area with legal description and particularity)
Electronic video surveillance recording system
Hall Oil and Gas
100 US HWY 14 W
Highmore, SD 57345
The electronic storage device containing the video and/or electronic data may be removed from the business for analysis and downloading. The storage device may be transported to another location for analysis and/or downloading of information at another date and time.
for the following property:
Video and/or electronic data stored within the video surveillance system. from September 12, 2020, and September 13,2020, regarding the area at or near the scene of the crash(BJR)
The storage device containing the video and/or electronic data may be removed from the business for analysis and downloading.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.

This Warrant may be executed in accordance with my initials placed below:
\(\qquad\) You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4.
You may serve this Warrant only during the daytime. Daytime is defined as being between 30 prior to sunrise and 30 minutes past sunset.
You may execute this Warrant without notice of execution required by SDCL 23A-35-4 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed of),(that danger of life or limb of the officer or another may result).
You may serve this Warrant on Sunday.

If the above-described property be seized, return shall be made to me at the Courthouse of this Court.

Dated this 29th day of \(\qquad\) , 2020.

STATE OF SOUTH DAKOTA)
COUNTY OF HYDE )

IN CIRCUIT COURT MAGISTRATE DIVISION \(6^{\text {th }}\) JUDICIAL CIRCUIT

STATE OF SOUTH DAKOTA)
PLAINTIFF, )
VERIFIED INVENTORY
VS, )

\section*{ELECTRONIC VIDEO SURVEILLANCE SYSTEM}

HALL OIL AND GAS
100 US HWY 14 W
HIGHMORE, SD 57345
DEFENDANT)
(In the matter of a FATAL CRASH in Hyde County)

I, Trooper John Berndt, a law enforcement officer of the State of South Dakota, applied for a Search Warrant dated September 29 th, 2020, issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken during the execution of the above described Warrant:

Your affiant states - On September \(30^{\text {th }}, 2020\) agents form the North Dakota Bureau of Criminal Investigation and Sergeants from the South Dakota Highway Patrol served the search warrant to Hall Oil and Gas that had been granted on September 29 \({ }^{\text {th }}, 2020\) for data within the electronic video surveillance system on the premises of 100 US Hwy 14 W in Highmore, SD.

Prior to the arrival of law enforcement on September \(30^{\text {th }}, 2020\) the electronic storage device had been removed from service, due to a malfunction. The device was seized and electronic data within the surveillance system was downloaded but officers were unable to view the data, due to the device malfunction. The electronic data was secured and maintained by Agents from the ND BCI. The device was later repaired and the electronic data was reviewed.

ND BCI S/A JESSE SMITH will save and maintain the contents that were downloaded and all contents will be made available for review upon request. Please accept this letter along with the original copy of the signed search warrant to complete the search warrant return requirement.

Dated this \(17^{\text {th }}\) day of November, 2020, at Aberdeen, South Dakota.


Subscribed to and sworn to before me, a Notary Public, on this/ 7 day of November, 2020.


\section*{STATE OF SOUTH DAKOTA} Plaintiff,

\section*{AFFIDAVIT IN SUPPORT OF SEALING SEARCH WARRANT AFFIDAVIT}

Vs.
Jason Ravnsborg and
Electronic video surveillance system
Hall Oil and Gas
100 US Hwy 14 W
Highmore, SD 57345
(In the matter of a Fatal Crash in Hyde County)

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that, should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of the investigation and the information currently being obtained during the course of this investigation.


My commission expires: \(\qquad\)

STATE OF SOUTH DAKOTA
Plaintiff,
vs.
ELECTRONIC VIDEO SURVEILLANCE SYSTEM
Hall Oil and Gas
100 US Hwy 14 W
Highmore, SD 57345
Defendant
(In the matter of Fatal Crash Investigation)
Search Warrant issued September 29 \({ }^{\text {th }}, 2020\)
Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated September 29, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this 17th day of November, 2020.


\author{
Bobbi J. Rank \\ Circuit Court Judge \\ Sixth Judicial Circuit
}









'əұе!




























\section*{Overview of Activity}

On Sunday, September \(13^{\text {th }}, 2020\) at approximately 0845 -hrs I was called by TRP John Berndt who is the District One Crash Coordinator. TRP Berndt told me that he was informed of a crash that occurred on US14 near MM278, which is just west of Highmore, SD. This crash involved South Dakota Attorney General Jason Ravnsborg (AG Ravnsborg) who was traveling back to Pierre from an event in Redfield, SD on the previous evening of Saturday, September 12 \({ }^{\text {th }}\), 2020. It was TRP Berndt's understanding that AG Ravnsborg had thought he hit a deer and called 911 to report the crash. Hyde County Sheriff Michael Volek responded to the scene the night of September \(12^{\text {th }}, 2020\) to take the report. Sheriff Volek then loaned AG Ravnsborg his personal vehicle to continue his travels home. Sheriff Volek waited on scene for the tow truck to pick up the vehicle. Early the next morning AG Ravnsborg and his Chief of Staff Tim Bormann drove back to Highmore, SD to return the loaned vehicle to Sheriff Volek. The AG and Chief of Staff stopped at the scene and discovered that AG Ravnsborg had struck a pedestrian. The pedestrian was in the grass near the shoulder of the road. TRP Berndt advised that North Dakota Bureau of Criminal Investigation (BCI) was putting together a team to travel to the scene to complete the investigation. This was being done because the Sheriff had requested assistance from the South Dakota Division of Criminal Investigation, which would be a conflict of interest since AG Ravnsborg oversees that agency.

I informed TRP Berndt that I would contact my supervisors and let them know that I would be responding to the scene to assist him with the investigation. I contacted MAJ Weinmeister concerning the crash and that I would be heading towards Highmore to assist TRP Berndt with the crash reconstruction portion of the investigation. I left at approximately 0945-hrs and drove to Highmore, SD arriving on scene around 1320-hrs.

As I was approaching the scene, I observed traffic being slowed by law enforcement on the west side of the crash site. I came to a stop near the officer directing traffic and realized that it was Sheriff Volek. Sheriff Volek asked me if I knew when we would be opening the roadway back up and when the body of the deceased could be removed. The deceased was eventually identified as Joseph Paul Boever (MR Boever I let the Sheriff know that I had not spoke with TRP Berndt concerning those details and that we would let him know when that could take place. I continued to the east in the westbound lane of travel, which was coned off by the South Dakota Department of Transportation (SD DOT) to give us room to complete the scene investigation and forensic mapping. I pulled past the location where the Leica total station had been set up by TRP Berndt. TRP Berndt and TRP Nathan Moore had already started mapping the scene by the time I had arrived.

I spoke with TRP Berndt about the crash and he walked me through the scene to give me an idea of the layout for evidence that was being documented in our forensic map. I began assisting them by running the total station, TRP Berndt was locating the evidence and photographing each piece as we went, and TRP Moore was holding the prism pole and keeping a log of the items documented. TRP Berndt had explained to me that the evidence, photographs and log were related to the point number on the data collector. For example, point number 100 was the first point of evidence documented, which related to the first photo taken and point 1 on the log. Reviewing the forensic mapping log, it shows two descriptions for point 14, so the point number then corresponds with the evidence point from there forward. This process was followed throughout the documentation of the scene. We continued documenting the scene until all the points were recorded. Near the end of that time frame, BCl arrived
and started documenting the scene using their process. BCI was responsible for documenting and collecting all the physical evidence they felt necessary to collect and maintain for the case.

On Monday, September \(14^{\text {th }}, 2020\) SGT Snyder, TRP Berndt and myself went to the Pierre Police Department Evidence Building to view the AG's vehicle. While BCI was working to process the vehicle, I was able to walk around it and make observations. I observed damage to the vehicle that was focused on the passenger side front extending back to the A-pillar and windshield. The passenger side mirror also appeared to be damaged and was dislodged from its normal position. There were metal areas on the vehicle where the paint was missing, plastic parts that were broken \(/ \mathrm{missing}\) and a clear plastic broken headlight that were all consistent with items found at the crash site. The tires on the vehicle all appeared to have good tread depth. There was no apparent damage that would cause the passenger side front tire to be locked from crash related damage. The damage observed was consistent with a pedestrian strike. After BCI completed their process, TRP Berndt downloaded the Event Data Recorder (EDR) to see if any events had been recorded. No events were recorded on the EDR, which is not uncommon in a pedestrian strike.

On Tuesday, September 15 \({ }^{\text {th }}, 2020\) I traveled to Highmore, SD and met with SGT Snyder and TRP Berndt to conduct skid testing with the AG's vehicle. A Vericom 4000 was utilized during the skid testing to document the results. The results in their raw data form are attached into the case. TRP Berndt will analyze and discuss the results of those tests in his report. This testing was one way we were able to show that the skid marks at the scene of the crash did not belong to the AG's vehicle. During testing it was shown that the ABS was functioning correctly, which did prevent the tires from locking up. Locking tires would have had to occur to make a mark consistent with the one at the crash site. The track width of the vehicle was measured and compared to the track width of the skid marks on the roadway. The marks on the roadway were wider than the track width of the AG's vehicle also showing that his vehicle would not have been able to leave those marks. Finally, there was a video from LT Stahl's in-car camera system on September \(4^{\text {th }}\), 2020 that showed him responding through the same area with the previously described skid marks on the roadway (See Figure 1). All these things combined helped us eliminate the skid marks as being a part of this crash sequence.


Figure 1: LT Stahl Video from 09/04/2020 at 2:23.22PM showing existing skid marks.

After the completion of skid testing, I utilized the Leica C10 ScanStation to complete a 3D forensic scan of the vehicle. I scanned around the vehicle in six locations and later did the work to combine the scans. TRP Berndt needed to know a measurement of how far in from the passenger side of the vehicle the damage extended. Using the picture in Figure 2 we could see where the dirt/dust had been brushed off the front bumper of the vehicle. I used this information to get a measurement from the forensic map that was completed. Figure 3 is a top-down view of the vehicle. Figure 4 is a front view of the vehicle.


Figure 2: Picture of AG Vehicle from Front; Arrow indicating area where dust was wiped off.


Figure 3: Top-down view of AG Vehicle Scan; Measurement from Edge of Vehicle to Dust Wipe in Figure 2.


Figure 4: Front view of AG Vehicle Scan; Black rectangle is width of measurement from Figure 3.

On Wednesday, September \(16^{\text {th }}\), 2020 a Zoom meeting was conducted with John Daily, SGT Snyder, TRP Berndt and me. John Daily owns Jackson Hole Scientific Investigations, Inc. and was hired as a consultant to oversee the crash reconstruction process. We were able to explain the information that we had obtained up to that point and work with John to identify any additional items that may be useful to the crash investigation. I was able to get John's contact information so that I could get him access to the information being stored in our records management system to review.

On Thursday, September \(17^{\text {th }}, 2020\) I worked with SGT Snyder and TRP Berndt to discuss a timeline of the AG's travels. Both SGT Snyder and TRP Berndt had been driving through the area to attempt to identify locations where cameras existed that may have caught the AG or MR Boever prior to the crash occurring. That evening I met with SGT Snyder, TRP Berndt and BCI at the crash location near Highmore, SD. We worked with SD DOT to put a road closure in place for additional testing and documentation. BCI painted quadrants on the highway in an area to be processed. SGT Snyder, TRP Berndt and I used the Leica total station to map those points onto our original forensic diagram for later reference. BCl completed their process and documented the area with photographs.

On Friday, September \(18^{\text {th }}, 2020\) I met with SGT Snyder and TRP Berndt in the morning hours. TRP Berndt did attempt to secure a search warrant for MR Boever's vehicle that had been placed at the Pierre Police Department Evidence Building. MR Boever's vehicle was located to the west of the crash site in the north ditch. The search warrant was to be able to download the EDR and to document anything inside the vehicle. The search warrant was denied because no charges were being filed. MR Boever's vehicle was not searched and remained locked up in the Pierre Police Department Evidence Building. A follow-up call with John Daily was completed to bring him up to date on any new developments in the case.

On Monday, September \(21^{\text {st }}, 2020\) I worked with SGT Snyder and TRP Berndt to finalize plans for vehicle testing. TRP Berndt was able to secure an exemplar vehicle to use for nighttime testing. The vehicle was relayed to Pierre from Sioux Falls later in the week. The vehicle was to be used to conduct some nighttime visibility tests and to time the route AG Ravnsborg would have driven the evening of the crash.

On Tuesday, September \(22^{\text {nd }}, 2020\) I talked with Hyde County States Attorney Emily Sovell to set up a conference call with the additional States Attorneys that were going to be assisting her in the case. I set up a Zoom meeting for Wednesday afternoon. I sent the invitation to Hyde County States Attorney Emily Sovell, Beadle County States Attorney Michael Moore, Minnehaha County States Attorney Courtney Johnson, Pennington County States Attorney Mark Vargo, SGT Shane Snyder, TRP John Berndt and BCI Supervisory Agent Arnie Rummel. Later in the afternoon I rode with SGT Snyder to the gas station at Blunt corner. SGT Snyder had contacted them about viewing the video on their system. While there, we viewed video on their system during the timeframe that AG Ravnsborg would have driven by or stopped at that location. The video system did not have a clear view of US14 due to the distance it was from the highway and the angle of the camera, so we could not clearly make out passing vehicles. We also did not see AG Ravnsborg stop at that location during our review of the video.

On September \(23^{\text {rd }}\), 2020 I was able to make contact with Will Boever, who is the brother of MR Boever. MR Boever's family had indicated to Hyde County SA Emily Sovell that Will Boever would be the representative from the family for any information related to the case and for decisions that needed to be made. I spoke with Will about MR Boever's truck being in the ditch west of where we had been working and that we wanted to make sure we covered our bases by completing a download of the EDR. I explained that Victor Nemec had told BCI investigators that he had picked up MR Boever the previous night after MR Boever had drove off the road and damaged his truck by striking a hay bale. Victor told investigators that MR Boever had dropped some tobacco and reached down to pick it up when the crash occurred. The damage caused the front bumper to be pushed into the passenger side front tire to the point that it couldn't be driven. I explained that we would like to search the vehicle to complete a
download of the EDR, which would show us the severity of the crash and help us to understand if he could have potentially sustained any injuries from it. We also wanted to inventory the vehicle and then return any personal property from the vehicle to the family since the truck is being held for the investigation. Will Boever gave consent to complete the above requests and we conducted the search that morning.

BCI served a search warrant on AG Ravnsborg's vehicle for additional testing. This testing was completed at the South Dakota Highway Patrol Fleet/Supply Shop, which is located on the SD DOT campus in Pierre, SD. We provided the location for their testing which will be described in their reports.

Later in the afternoon we met with the States Attorneys to give them an overview of the crash investigation up to this point. The call consisted of the previously mentioned people and covered everything we had done and the information that BCI had completed.

On September \(24^{\text {th }}, 2020 \mathrm{BCI}\) Agent Joseph Arenz and I met with the owner of Hoffman Trenching who had video of a pedestrian believed to be MR Boever walking past his business. BCI Agent Arenz was able to download that video onto a thumb drive for safe keeping. This video will assist in giving a timeframe that MR Boever began walking back towards his vehicle that he had left earlier the day. The video will also assist TRP Berndt in determining a walking speed for MR Boever that will allow an analysis to be completed.

On this evening, TRP Berndt completed the nighttime visibility testing by driving the exemplar vehicle past the crash location with someone walking on the shoulder of the road in similar clothing to MR Boever. TRP Berndt utilized the same brand and model of headlights in the exemplar vehicle along with high and low beam to test the visibility of a person walking on the shoulder of the road holding the flashlight found at the scene. The flashlight was held in different positions beings it is unknown how MR Boever was holding the light at the time of the collision. During this testing several other uninvolved vehicles traveling past the pedestrian applied their brakes and slowed down when they saw him on the edge of the roadway. One vehicle that passed the location went down the road and turned around to come back and assist the pedestrian. When this testing was complete, BCI and TRP Berndt placed the flashlight on the ground in the same location that it was laying to simulate what it would look like on the night of the crash. The light was easily visible from both sides of the roadway had one been looking in the area where the debris from the crash was left behind.

On September \(25^{\text {th }}, 2020\) SGT Snyder and I drove to Highmore, SD to retrieve video from the Mashek's Food Center. SGT Snyder utilized their video system to locate the approximate timeframe that MR Boever would potentially be walking past the store and we watched video until we saw him pass the location. SGT Snyder was able to download the video onto a thumb drive and later place it into our video system for safe keeping. This video will further confirm information from the video collected at Hoffman Trenching.

Later in the evening, SGT Snyder, TRP Berndt and I traveled to Redfield, SD to conduct some time distance measurements. We drove multiple paths from Roosters Bar and Grill to US212 in Redfield. We then drove US212 to SD45, SD45 to US14, and finally US14 to the crash location. During the test we drove the posted speed limits on each road, and we recorded times as we passed locations where video had been collected along the way. This information will assist TRP Berndt in calculating AG Ravnsborg's average speed along the traveled path, which will help us determine if speed was a factor in the crash.

On September \(26^{\text {th }}, 2020\) I returned the exemplar vehicle to Sioux Falls, SD and then returned home to Rapid City, SD.

On September \(30^{\text {th }}\), 2020 I went to Hall Oil and Gas in Highmore, SD with SGT Snyder and BCI to serve a search warrant for their video server. The server was collected because it had been replaced and the old one that contained the potential video was no longer in use. BCl took possession of the server and is completing the process to retrieve any relevant video for the purpose of the time-distance analysis work that TRP Berndt is completing.

On October \(12^{\text {th }}, 2020 \mathrm{I}\) met with BCl in Pierre, SD. We drove to Highmore, SD to meet up with an agent from BCl that was going to be completing an analysis of a picture that had been taken by AG Ravnsborg on his government phone, which was an iPhone Xr. I had received an iPhone from LT Collins that was the same make and model for BCl to utilize during their analysis. They took possession of the phone from LT Collins for their testing and will keep it in their possession until they are able to retrieve the photos/videos that were collected during their process. I provided traffic control while they attempted to determine the location where the photo was taken.

\section*{Travel Path Determination}

The evidence on the shoulder of the roadway assists us in locating the area of impact and the direction of travel for the vehicle. One of the concerns was if the mild wind through the evening could have changed the location of any of the pieces that were there, particularly the paint chips. The evidence was broken down into reddish-brown substance (presumed to be blood in the remainder of the report), car parts, and paint chips by importing the forensic mapping log into Microsoft Excel. A tab for each type was created from the main forensic log that was copied and then reduced down to represent each respective category. A chart was created on each tab to represent the layout of those evidence points in the \(x\)-direction and \(y\)-direction. A linear trendline with its equation was added to show the average direction of travel because we know that evidence patterns start narrow and spread out as it continues moving to final rest. Each of the representative types are shown below; Blood (Figure 5), Car Parts (Figure 6) and Paint Chips (Figure 7).


Figure 5: Blood Evidence Type


Figure 6: Car Parts Evidence Type


Figure 7: Paint Chip Evidence Type

\section*{Supplemental Report: Jason Ravnsborg/Joseph Boever Fatal Pedestrian Crash on 09/12/2020}


Figure 8: All Evidence by Types

When each type had been completed, a tab that compiled all the types onto a single chart was created for comparison (Figure 8), which can be seen on the previous page. This chart is not set to an equal scale in the \(x\)-direction and the \(y\)-direction, so the angles of the trendlines can be deceiving. To help visualize the angles, the equations were used to calculate points on the forensic map that could be drawn to scale. The information used is presented here:

Blood (Reddish-Brown Substance) [Equation from Figure 5: \(y=0.011 x-3.625]\)
- Point 1 ( \(0,-3.625\) )
- Point \(2(-170,-5.495)\)
- Angle should be \(180.63^{\circ}\)

Car Parts [Equation from Figure 6: \(y=0.0024 x-3.078\) ]
- Point 1 ( \(0,-3.078\) )
- Point 2 ( \(-170,-3.486\) )
- Angle should be \(180.14^{\circ}\)

Paint Chips [Equation from Figure 7: \(y=-0.0136 x-1.9083]\)
- Point \(1(0,-1.9083)\)
- Point \(2(-170,0.4037)\)
- Angle should be \(179.99^{\circ}\)

All Points [Equation from Figure 8: \(y=0.0123 x-2.0869]\)
- Point \(1(0,-2.0869)\)
- Point 2 (-170, -4.1779)
- Angle should be \(180.70^{\circ}\)

The maximum difference between the angles is \(180.63^{\circ}-179.99^{\circ}=0.64^{\circ}\). I used \(180.63^{\circ}\) instead of \(180.70^{\circ}\) because it is the difference between all the points separated versus the one with all the points included. It's amazing how tight the difference is when separated, which gives a higher confidence that the paint chips probably didn't move much in comparison to the other evidence types. This also gives us a high confidence that the direction of travel would have been straight west down US14 at the time of impact. This information was given to TRP Berndt to plot on the forensic diagram.

No further action was taken by me.

SGT Kevin R Kinney, HP039

\section*{Initial Call}

On 09/13/20 at approximately 0900 hours I was contacted by Captain Randi Erickson. Captain Erickson informed me of a fatal crash on US Hwy14 near Highmore, within Hyde County. In the details provided by Captain Erickson I was informed of the following:
- South Dakota Attorney General Jason Ravnsborg, was involved in a crash the previous evening (09/12/20).
- AG Ravnsborg struck an object and was unsure what the object was.
- AG Ravnsborg called 911 and reported the crash.
- Hyde County Sheriff Michael Volek responded to the scene.
- Sheriff Volek lent AG Ravnsborg a vehicle to drive to Pierre.
- AG Ravnsborg drove to Pierre and returned the next morning to return the vehicle.
- AG Ravnsborg stopped by the crash site and discovered a deceased male.
- AG Ravnsborg reported the body.
- Agents from the North Dakota Bureau of Criminal Investigation (BCI) were enroute to investigate the incident.

\section*{Upon Arrival}

I responded to the scene from Aberdeen, SD and arrived at approximately 1215 hours. Upon arrival, I observed the westbound lane of US Hwy 14 to be closed. Orange cones and pylons were restricting traffic from driving on the westbound lane. The South Dakota Department of Transportation (DOT) was providing traffic control at the scene, on the eastbound lane only.


Figure 1: Westbound lane closure - facing west
I walked through the scene and observed the following:
- Multiple vehicle pieces (red, black and clear plastic) were on the north shoulder and in the north ditch.
- Tire skid marks traveling from the westbound lane toward the north shoulder.
- Various electrical pieces were on the north shoulder. These parts were later determined to be from Mr. Ravnsborg's right front park light and windshield washer pump motor.
- The motor was broken off the lower right side of the windshield washer tank. The washer tank is located near the right front headlight.
- Multiple paint chips of varying sizes were on the north shoulder and in the north ditch.
- Shattered glass spread across an approximate 8 -foot area on the north shoulder. The glass was non-reflective and was consistent with the appearance of windshield glass.
- Part of a headlight assembly (clear plastic with part number) was in the north ditch.


Figure 2: Broken piece of headlight lens
- A broken white plastic fork with reddish brown spots (suspected to be blood) was located along the north shoulder.
- A small black flashlight was located along the shoulder.
- A body was a short distance from the shoulder of the roadway, in the grass.
- The body was naked from the chest down, due to the crash.
- The right leg was severed below the knee.
- The lower right leg was located approximately 40 feet northwest of the body.

I was informed Hyde County Sheriff Volek responded to the fatal crash scene on the previous evening. I was informed Sheriff Volek was the person who lent Mr. Ravnsborg a vehicle. While at the scene, Sheriff Volek approached me and began to discuss some of the events. I requested Sheriff Volek to give his statement to Agents from BCI when they arrived. I requested Sheriff Volek to stay outside of the cones and away from the investigation area, he complied with my request.

\section*{Scene Documentation and Investigation}

Sgt Shane Snyder had contacted the Hughes County Emergency Management Office. Sgt Snyder requested the use of a drone to fly over the crash scene. Shortly after my arrival, personnel from the Hughes County Emergency Manager's Office arrived on scene with a drone. Several passes over the scene were made with the drone, taking video and photos. The photos were later placed in evidence and given to BCI . The videos were also placed in evidence and given to BCI .

Using the Leica Total Station, I began mapping the scene with the assistance of Trooper Nathan Moore. As we were mapping the scene we photographed and documented the mapped evidence accordingly. A short time later Sgt Kevin Kinney arrived at the scene. Sgt Kinney began operating the total station as Trooper Moore and I continued to document the scene evidence. Trooper Moore continued to mark the evidence points with the prism pole.

During the mapping process we located several specific vehicle parts:
- Mapping point 100
- This point describes a bolt that was located in the westbound lane. The bolt was approximately 2 inches south of the north fogline. The bolt was determined to be a valance bolt with nut. A piece of the valance remained in the nut.


Figure 3: Bolt along fog line
- Mapping point 107-109
- These points describe a broken plastic fork with reddish-brown substance that appears to be blood droplets. The fork pieces were along the north shoulder of the road. The fork was later collected by BCI. The reddish-brown substance was tested and found to be human blood.

- Mapping points 113-114
- These points describe an area of shattered glass on the north shoulder. The glass extends for approximately 8 feet in an east/west direction. The glass is a non-reflective glass. The more concentrated portion of the shattered glass is approximately \(61 / 2\) feet north of the fogline.
- Mapping point 115
- This point describes the windshield washer pump motor. The pump motor is approximately 6 feet north of the fogline.


Figure 5: Washer pump motor
- Mapping point 146
- This point describes the flashlight that was illuminated along the shoulder.


Figure 6: Flashlight
- Mapping points 203-215
- These points describe the position of the body, with exception to the lower right leg.

- Mapping points 216-221
- These points describe the position of the lower right leg.

While mapping the scene, agents from BCI arrived on-scene. I explained to the agents the items we previously discovered. The agents began their investigation of the scene. At approximately 2100 hours we departed the scene.

\section*{Jason Ravnsborg vehicle}

The vehicle operated by Mr. Ravnsborg is a 2011 Ford Taurus Limited bearing South Dakota license plate G00027. The VIN number displayed on the vehicle door frame is 1FAHP2FW3BG149248. The registered owner of the vehicle is Jason Ravnsborg of Pierre, SD. The vehicle is insured by effective date 10/11/19; expiration date 10/11/20. Sheriff Volek stayed with Mr. Ravnsborg's vehicle until the tow truck arrived later that same night. Mr. Ravnsborg's vehicle was towed from the scene by Black Hills Towing of Pierre, SD and stored at their facility overnight. Mr. Ravnsborg's vehicle was towed to the Pierre Police Dept Evidence Building the next morning.

The vehicle was equipped with Hankook Kinergy GT 245/45R19 tires. The factory specifications for Mr. Ravnsborg's tires is 235/55R18. The difference in the tire sizes will cause Mr. Ravnsborg's speedometer to indicate a speed greater than he is actually traveling. The tire size difference would create an error in the reported speedometer speed. Further detail regarding speedometer error is discussed later in this report.
\begin{tabular}{|c|c|c|c|}
\hline & 235/55-18 & 245/45-19 & Difference \\
\hline Diameter inches (mm) & 28.18 (715.7) & 27.68 (703.1) & -0.5 (-12.6) - \(\mathbf{1 . 8}\) \% \\
\hline Width inches (mm) & 9.25 (235) & 9.65 (245) & 0.39 (10) 4.3\% \\
\hline Circum. inches (mm) & 88.52 (2248.44) & 86.96 (2208.85) & -1.56 (-39.58) -1.8\% \\
\hline Sidewall Height inches (mm) & 5.09 (129.25) & 4.34 (110.25) & -0.75 (-19) - 14.7\% \\
\hline Revolutions per mile (km) & 715.76 (444.75) & 728.59 (452.72) & 12.83 (7.97) 1.8\% \\
\hline \multicolumn{4}{|c|}{Forum embed code ? [url=htps://www.tacomaworld.com/tirecay} \\
\hline \multicolumn{4}{|c|}{Speedometer Difference} \\
\hline \multicolumn{2}{|c|}{Speedo Reading} & \multicolumn{2}{|l|}{ctual Speed} \\
\hline 20 mph & ( \(32.19 \mathrm{~km} / \mathrm{h}\) ) 1 & \multicolumn{2}{|l|}{\(19.65 \mathrm{mph}(31.62 \mathrm{~km} / \mathrm{h})\)} \\
\hline 25 mph & \((40.23 \mathrm{~km} / \mathrm{h}) \quad 2\) & \multicolumn{2}{|l|}{\(24.56 \mathrm{mph}(39.53 \mathrm{~km} / \mathrm{h})\)} \\
\hline 30 mph & \((48.28 \mathrm{~km} / \mathrm{h}) \quad 2\) & \multicolumn{2}{|l|}{\(29.47 \mathrm{mph}(47.43 \mathrm{~km} / \mathrm{h})\)} \\
\hline 35 mph & ( \(56.33 \mathrm{~km} / \mathrm{h}\) ) 3 & \multicolumn{2}{|l|}{\(34.38 \mathrm{mph}(55.34 \mathrm{~km} / \mathrm{h})\)} \\
\hline 40 mph & ( \(64.37 \mathrm{~km} / \mathrm{h}\) ) \(\quad 3\) & \multicolumn{2}{|l|}{\(39.3 \mathrm{mph}(63.24 \mathrm{~km} / \mathrm{h})\)} \\
\hline 45 mph & ( \(72.42 \mathrm{~km} / \mathrm{h}\) ) 4 & \multicolumn{2}{|l|}{\(44.21 \mathrm{mph}(71.15 \mathrm{~km} / \mathrm{h})\)} \\
\hline 50 mph & ( \(80.47 \mathrm{~km} / \mathrm{h}\) ) 4 & \multicolumn{2}{|l|}{\(49.12 \mathrm{mph}(79.05 \mathrm{~km} / \mathrm{h})\)} \\
\hline 55 mph & \((88.51 \mathrm{~km} / \mathrm{h}) \quad 5\) & \multicolumn{2}{|l|}{\(54.03 \mathrm{mph}(86.96 \mathrm{~km} / \mathrm{h})\)} \\
\hline 60 mph & ( \(96.56 \mathrm{~km} / \mathrm{h}\) ) \(\quad 5\) & \multicolumn{2}{|l|}{\(58.94 \mathrm{mph}(94.86 \mathrm{~km} / \mathrm{h})\)} \\
\hline 65 mph & \((104.61 \mathrm{~km} / \mathrm{h}) \quad 63.8\) & \multicolumn{2}{|l|}{\(63.86 \mathrm{mph}(102.77 \mathrm{~km} / \mathrm{h})\)} \\
\hline 70 mph & \((112.65 \mathrm{~km} / \mathrm{h}) \quad 68.7\) & \multicolumn{2}{|l|}{\(68.77 \mathrm{mph}(110.67 \mathrm{~km} / \mathrm{h})\)} \\
\hline 75 mph & \((120.7 \mathrm{~km} / \mathrm{h}) \quad 73\) & \multicolumn{2}{|l|}{73.68 mph ( \(118.58 \mathrm{~km} / \mathrm{h}\) )} \\
\hline 80 mph & \((128.75 \mathrm{~km} / \mathrm{h}) \quad 7\) & \multicolumn{2}{|l|}{\(78.59 \mathrm{mph}(126.48 \mathrm{~km} / \mathrm{h})\)} \\
\hline 85 mph & \((136.79 \mathrm{~km} / \mathrm{h}) \quad 83.5\) & \multicolumn{2}{|l|}{\(83.5 \mathrm{mph}(134.39 \mathrm{~km} / \mathrm{h})\)} \\
\hline 90 mph & \((144.84 \mathrm{~km} / \mathrm{h}) \quad 8\) & \multicolumn{2}{|l|}{\(88.42 \mathrm{mph}(142.29 \mathrm{~km} / \mathrm{h})\)} \\
\hline 95 mph & \((152.89 \mathrm{~km} / \mathrm{h}) \quad 93.3\) & \multicolumn{2}{|l|}{\(93.33 \mathrm{mph}(150.2 \mathrm{~km} / \mathrm{h})\)} \\
\hline 100 mp & ( \(160.93 \mathrm{~km} / \mathrm{h}\) ) 9 & \multicolumn{2}{|l|}{\(98.24 \mathrm{mph}(158.1 \mathrm{~km} / \mathrm{h})\)} \\
\hline Figure 9: Tir & e Size Calcula & ator (Tacom & vorld.com) \\
\hline
\end{tabular}

Damage to Mr. Ravnsborg's vehicle is limited to the right side of the vehicle. The following information gives a brief description of the damage but is not limited to:
- Right headlight
- Right front fender
- Right outside mirror
- Right side of hood
- Right side of windshield
- Right Wheel well
- Right side of bumper


Figure 10: Right front corner of Ford Taurus

Mr. Ravnsborg's vehicle appeared to have no mechanical defects. I drove and skid tested the vehicle on \(09 / 15 / 20\). During the operation and skid testing of the vehicle I did not experience any drivability or braking issues. The windshield was damaged from the crash. However, the intact glass had the remains of bugs and a light layer of dust/dirt. There was a distinct line of dirt indicating the wipers had been used in the recent past. The washer fluid tank was damaged in the crash and had drained. A photo taken by Mr. Ravnsborg on the night of the crash appears to have a puddle believed to be washer fluid on the ground.


Figure 11 - View Through Windshield on September \(15^{\text {th }}\).

\section*{Previous Damage and Maintenance}

A search of Mr. Ravnsborg's VIN revealed the vehicle was involved in two separate incidents that caused damage to the same vehicle involved in the fatal crash.

The search indicated Mr. Ravnsborg's vehicle was involved in two crashes. The first crash occurred on \(10 / 13 / 17\) and the second on \(10 / 30 / 18\). We were unable to locate any further information regarding those crashes.

Maintenance records for Mr. Ravnsborg's vehicle indicate he regularly has it serviced and inspected at various locations. The two most recent services to Mr. Ravnsborg's vehicle are listed as follows:

03/09/20; Gateway Ford Lincoln Toyota in Pierre, SD; 254,849 miles reported at the time of service. The following items are listed on that report:
- Maintenance inspection completed
- Brakes checked
- Tires rotated
- Oil and filter changed
- Rear brake rotor(s) replaced
- Rear brakes replaced
- Front brake rotor(s) replaced
- Front brakes replaced
- Front brake pads replaced

07/20/20; Gateway Ford Lincoln Toyota in Pierre, SD; 258,093 miles reported at the time of service. The following items are listed on that report:
- Maintenance inspection completed
- Engine/powertrain computer module checked
- Drivability/Performance checked

Sgt Snyder contacted Gateway Ford and inquired about the nature of repairs on 07/20/20. Sgt Snyder was informed the vehicle was "tuned up" for complaints of a misfire.

A search of Mr. Ravnsborg's VIN -1FAHP2FW3BG149248, on the NHTSA Safety Issues and Recall website indicates there are " 0 unrepaired recalls" associated with the VIN.

The stopping location of Mr. Ravnsborg's vehicle was uncertain. Mr. Ravnsborg took a single photo of his vehicle on the night of the crash. BCI was able to use the photo and determine the location of Mr. Ravnsborg's vehicle after the crash. The vehicle position was later mapped and placed in the forensic map.

\section*{Ravnsborg Vehicle Search Warrants}

Two search warrants were obtained for Mr. Ravnsborg's vehicle. The affidavit, search warrant and verified inventory are attached.

September 14th Vehicle Search

On 09/13/20, Trooper Jeremy Gacke requested a warrant to search Mr. Ravnsborg's vehicle. The Honorable Judge Bobbi Rank granted the search warrant on the same day. A part of the Search Warrant allowed the downloading of Mr. Ravnsborg's Airbag Control Module (ACM).

On 09/14/20 we met with BCI agents at the Pierre Police Dept Evidence Building in Pierre, SD. The Agents informed me Mr. Ravnsborg was giving consent to search his vehicle. As the Agents were conducting their search, they removed a section of the center console. With the rear portion of the center console removed I was able to see the ACM. I disconnected the two connectors from the ACM and connected the F00K108387 adapter and F00K108384 direct-to-module cable. I connected the Bosch CDR system to the ACM. After connecting power to the adapter, I successfully downloaded the module. After downloading the module, I removed the CDR system and reconnected the vehicle wiring to the ACM. I later reviewed the information from the ACM. I determined no events had been recorded during the fatal crash event. The CDRx file was saved to evidence. The PDF file was attached to the case also.

Within Mr. Ravnsborg's vehicle BCI located a pair of broken eyeglasses. Those eyeglasses were later determined to belong to Mr. Boever. Parts of the broken eyeglasses were located on the front passenger floorboard and in the backseat area. BCI also collected samples believed to be human blood from Mr. Ravnsborg's vehicle. At the time of this report some of the samples have been identified as human blood but I have not received the full information regarding the locations.

On 10/02/20 the information contained within the affidavit was sealed by the Honorable Judge Bobbi Rank. The affidavit and order to seal are attached to this case.

\section*{September \(23^{\text {rd }}\) Vehicle Search}

On 09/22/20 the Honorable Judge Rank signed a search warrant allowing a second search of Mr. Ravnsborg's vehicle. On 09/23/20, Black Hills Towing transported Mr. Ravnsborg's vehicle from the Pierre Police Dept. Evidence Building to the SD Highway Patrol Shop. I escorted the tow truck as it transported Mr. Ravnsborg's vehicle. I drove Mr. Ravnsborg's vehicle into the shop and placed it on a hoist.

Agents from BCI collected more evidence from Mr. Ravnsborg's vehicle. Once BCI was complete with their search, I connected the Bosch CDR system to the Data Link Connector (DLC) of Mr. Ravnsborg's vehicle. With the system connected, I downloaded the ACM. After successfully downloading the ACM I reviewed the CDR report. I found no non-deployment events were recorded during the skid testing events. The CDRx file was saved to evidence. The PDF file was attached to the case also.

One of the items searched for by BCI was human blood on and under Mr. Ravnsborg's vehicle. At the time of this report all results have indicated no human blood is present under the vehicle. Several lab reports are still pending at the time of this report.

During the skid testing, the brake was applied as hard-braking events, or panic braking. If the hardbraking applications created an event within the ACM during the skid testing we would have confirmed Mr. Ravnsborg did not perform a panic brake during the fatal crash. Since no events were recorded during the skid testing, the ACM download did not assist in determining the type of brake application Mr. Ravnsborg performed at the time of the fatal crash.

I removed the right headlight bulb from Mr. Ravnsborg's vehicle. I observed the filament experienced hot-shock, indicating it was on at the time of the crash. The bulb is constructed with a single filament and I was unable to determine if the headlights were in the low or high-beam position. I photographed the bulb and gave it to BCI Agent Arenz for evidentiary purposes. While the bulb was removed, I determined
it was a Sylvania 9005 bulb. I removed the left headlight bulb and determined that was also a Sylvania 9005 bulb. I returned the left headlight bulb to Mr. Ravnsborg's vehicle.

On 10/02/20 the information contained within the affidavit was sealed by the Honorable Judge Bobbi Rank. The affidavit and order to seal are attached to this case.

\section*{Mr. Boever's Vehicle}

While at the crash scene it was discovered a 2003 Ford F150 was in the north ditch along US Hwy 14, approximately \(3 / 4\) mile west of the fatal crash location. Sheriff Volek contacted State Radio Communications and requested information for the displayed license plate on the F150 (SD 38D248) at 2304 hours the night before. I traveled to the location of the F150 and found Trooper Jordan Moses and Sean Needham with the vehicle. I observed the F150 had damage to the right front corner. The Ford F150 was unable to drive due to the heavy-duty front bumper being wedged against the front passenger tire. All four doors of the F150 were locked. We were unable to locate any vehicle keys around the vehicle. While looking through the driver window of the vehicle I observed what appeared to be smoking tobacco on the driver seat. The registered owner of the vehicle was Harlan Reed. It was determined Harlan Reed had recently sold the vehicle to Mr. Boever.

The vehicle owned by Mr. Boever is a 2003 Ford F150 bearing South Dakota license plate 38D248. The VIN number displayed on the vehicle is 1FTRW08L63KA82524. The vehicle was insured at the time of the crash.

Troopers remained with the vehicle until it was towed from the scene by Johnny's Towing later that evening. Trooper Jordan Moses escorted the tow truck and vehicle to the Pierre PD evidence shed, where it was stored.

A cousin of Mr. Boever's, Victor Nemec, previously informed law enforcement he gave Mr. Boever a ride from his vehicle back to town around 8:30 PM. Mr. Nemec also informed law enforcement he had a brief discussion with Mr. Boever about his crash. Mr. Boever told Mr. Nemec he dropped his tobacco, was reaching for it when he drifted off the roadway and struck the haybale.

On 09/21/20, Joseph Boever's brother (Will Boever) consented to the search of the Ford F150. Will Boever consented to the search of the F150. We also requested to download the ACM in an effort to determine if Joseph Boever may have been injured when the F150 crashed into the haybale, Will Boever consented to us downloading the ACM.

Since no keys had been found at the crash scene or near the vehicle, I used a vehicle unlocking device to open the driver's door of the F150. I was unable to download the ACM through the Data Link Connector (DLC) without the vehicle keys. I determined the ACM was mounted under the dash, near the instrument panel. I pulled the floor covering back and observed the ACM. Without removing the ACM, I was able to disconnect the wiring assembly and connect the Bosch CDR system to the module using cable 02003274. With the system connected I downloaded the ACM. After successfully downloading the module I found one non-deployment event.

I later reviewed the non-deployment event and found the following information:
- The pretensioners did not fire
- The airbag did not deploy
- The maximum cumulative DeltaV was -5.46MPH

There are no key cycles or information to relate the haybale crash to the recorded event.
The information found in the CDR report is minimal but indicates the event would likely not cause any injuries to the occupants of the vehicle at the time of the event. I visually determined the driver and passenger pretensioners were not fired and airbags were not deployed, this also corresponds with the CDR report. The CDRx file was saved to evidence. The PDF file was attached to the case also.

Upon completion of the ACM download I reconnected the ACM wiring assembly. I searched Mr. Boever's vehicle as Sgt Snyder took inventory of the items found. Mr. Boever's personal effects were placed in safekeeping and later given to his family. While searching Mr. Boever's vehicle a pill bottle was located in the center console. The pill bottle contained 12 white pills. The pill bottle prescription indicated the pills were Lorazepam 0.5 MG that was prescribed on \(09 / 11 / 20\). The prescription indicated it was for 90 pills. The prescribed information was to "take one tablet by mouth three times daily as needed". The bottle and pills were given to Agent Arenz. Agent Arenz took custody of the bottle and pills, later placing them into evidence.

\section*{Jason Ravnsborg}

Jason Richard Ravnsborg has a valid South Dakota class 1 driver's license. The license identifies Mr. Ravnsborg's physical appearance as a 6 feet 2 inches tall and weighing 225 pounds. The address on Mr. Ravnsborg's driver's license indicates he resides at Mr. Ravnsborg has no restrictions listed on his driver's license information.

Mr. Ravnsborg stated he has no vision issues and does not wear corrective lenses. Mr. Ravnsborg stated his last eye examination was conducted by the military last year. It is unknown if Mr. Ravnsborg has any medical issues that would contribute to the crash.

Mr. Ravnsborg was traveling from a Lincoln Day Dinner at Roosters Bar and Grill in Redfield, SD. Witnesses and video surveillance indicate Mr. Ravnsborg did not consume any alcoholic beverages while at the dinner (based on information obtained by BCI). Video surveillance shows Mr. Ravnsborg exiting Roosters Bar and Grill at approximately 2108 hours.

Mr. Ravnsborg was uninjured during the crash and did not seek medical treatment.
Sgt Snyder met with Mr. Ravnsborg at the Hughes County Jail in Pierre, SD on 09/13/20. Mr. Ravnsborg submitted to two samples of blood. At 1339 hours, Brenda Lounsbury, MLT, withdrew two samples of Mr. Ravnsborg's blood. The blood samples were sealed and kept in Sgt Snyder's possession until he released them to the custody of BCI. Agents from BCI maintained custody of the blood samples until they were submitted for analysis (See BCI reports for further details).

The toxicology reports for Mr. Ravnsborg's blood-alcohol-concentration show his blood to be negative for alcohol. The toxicology reports for Mr. Ravnsborg's drug analysis show his blood to be negative for any drugs.

Mr. Ravnsborg departed Redfield on US Hwy 212, turned south on SD Hwy 45 and turned west on US Hwy 14 to Highmore, SD. Mr. Ravnsborg's vehicle is seen traveling west from Miller, SD on US Hwy 14 at 2204 hours. Mr. Ravnsborg contacts 911 at 2224 hours and informed them of the crash.

911 Call

Mr. Ravnsborg contacted 911 at 2224 hours and advised the dispatcher of his position as the Attorney General. Mr. Ravnsborg stated he is by Highmore and has "hit something". Mr. Ravnsborg then shows some confusion regarding his possible location but believes it is Highmore. Mr. Ravnsborg indicates several times the object he hit was in the roadway. Mr. Ravnsborg states he was able to get over and his vehicle is out of the roadway. Mr. Ravnsborg states "It sure hit me...smashed my windshield...". When asked if he hit a deer Mr. Ravnsborg states "I have no idea".

The dispatcher collects Mr. Ravnsborg's vehicle information and advises him the Sheriff will be dispatched to his location. The call ends.

\section*{Mr. Ravnsborg's Cell phones, Online Accounts and Electronic Data}

BCI provided me with specific documents from the phones, online accounts and electronic data information they discovered during their investigation.

\section*{Cellular and Online Accounts}

Mr. Ravnsborg possessed two cell phones at the time of the fatal crash, a personal phone and a work-related phone - hereafter referred to as work and personal. Mr. Ravnsborg provided the phones to BCI for analysis. Information regarding each individual phone is found later in this report.

Based on information discovered by BCI and their request, I submitted affidavits in request of search warrants for the following information to the Honorable Judge Bobbi Rank:
- Apple
- AT\&T
- Google
- Verizon
- Yahoo

The warrants were granted by Judge Rank. The signed warrants were provided to BCI who served them accordingly.

On October 20 th , BCI received electronic data from Apple Inc. On October 27, 2020 I submitted an affidavit to Judge Rank requesting to view the information. On October 27, 2020 Judge Rank signed a warrant, allowing the Apple information to be opened and viewed. I later filed information with the Court requesting the information contained in the affidavits be sealed, Judge Rank granted later granted that request by signing an Order to Seal.

On November \(12^{\text {th }}\), BCI received electronic data from Google, Verizon and Yahoo. On November 18, 2020 I submitted affidavits requesting to open and view the electronic data. On November \(18^{\text {th }}\), Judge Rank signed the warrants, allowing the information from Google, Verizon and Yahoo to be viewed.

At the time of this report no information was provided to me regarding these accounts. If additional information becomes available, I will complete a supplemental report regarding the information. BCI is maintaining all information received from the warrants served to these respective companies.

\section*{Ravnsborg Personal Cellphone}

Mr. Ravnsborg informed BCI his personal phone was on the passenger seat. Mr. Ravnsborg stated his personal phone slammed into the wheel well during the fatal crash. Mr. Ravnsborg stated he called his personal phone with his work phone to locate it on the passenger floor. Records indicate Mr. Ravnsborg's work phone called his personal cell phone at 10:36:58 hours.

BCI is conducting further investigation regarding the use of Mr. Ravnsborg's personal phone and information contained within. BCI is maintaining all information found on Mr. Ravnsborg's personal phone.

At the time of this report no information was provided to me regarding the personal cell phone. If additional information becomes available, I will complete a supplemental report regarding the information. BCI is maintaining all information found on Mr. Ravnsborg's personal phone.

\section*{Joseph Boever}

Joseph Paul Boever's valid South Dakota class 1 driver's license identifies his physical appearance as 5 feet 10 inches tall and weighing 200 pounds. The address on Mr. Boever's driver's license indicates his address is . However, Sheriff Volek identified Mr. Boever's current address as 512 Commercial Avenue SE in Highmore, SD.

At the time of the fatal crash, Mr. Boever was walking on the north shoulder of US Hwy 14, along the grass edge. Mr. Boever was dressed in blue jeans, a dark blue sweater and lace up work boots. Mr. Boever was wearing a pair of glasses. Mr. Boever was carrying a small flashlight.

Video of Mr. Boever walking prior to the crash was found at Mashek Food Center in Highmore, SD. The time of video was approximately 2131 hours. Mr. Boever appears to be wearing the same clothes as when the crash occurred.

Mr. Boever's body was lying in the north ditch approximately 2 feet from the shoulder. Mr. Boever's severed lower leg was lying approximately 40 feet northwest of the body. Mr. Boever's body was naked from the chest down with exception to blue jeans on the lower left leg, left sock and boot. A blue sweater was on Mr. Boever's upper chest and arms. Mr. Boever's lower right leg was still wearing the sock and boot.

Mr. Boever was transported from the scene by the Hyde County Coroner. Details regarding the custody of Mr. Boever's body will be provided by BCI.

Mr. Boever was later transported to the Ramsey County Coroner's office in Minnesota. An autopsy was conducted on Mr. Boever's remains. Samples of Mr. Boever's blood was tested for drugs and alcohol. Mr. Boever's blood was negative for alcohol. Mr. Boever's blood was positive for Lorazepam, \(190 \mathrm{ng} / \mathrm{ml}\). Agent Rummel was later informed the level of Lorazepam in Mr. Boever's blood is not fatal but is higher than normal. See Ramsey County Coroner's report for further details.

BCI SA Rummel had conversation with the Ramsey County Coroner regarding Mr. Boever's direction of travel at the time of impact. Based on Mr. Boever's injuries, the Ramsey County Coroner was able to determine Mr. Boever was facing east when the crash occurred.

Mr. Boever was involved in a separate crash earlier in the day. The details of the crash are previously described in this report.

\section*{Sheriff Mike Volek}

The Hyde County Sheriff is Mike Volek. Sheriff Volek was contacted by dispatch and informed of the crash. Sheriff Volek resides approximately \(1 / 4\) mile west of the crash location. The arrival time of Sheriff Volek to the crash scene is unknown.

BCI interviewed Sheriff Volek and was given the following information.
- Sheriff Volek arrives and discusses the crash with Mr. Ravnsborg.
- Sheriff Volek does not believe Mr. Ravnsborg's actions appear strange.
- Sheriff Volek lends his personal vehicle to Mr. Ravnsborg.
- After Mr. Ravnsborg leaves, Sheriff Volek states he saw a light glowing.
- The Sheriff states it looked like a light bulb from the car.
- The Sheriff states he did not investigate the glowing light, even though he has never seen anything like that before.
- The Sheriff states the light was "on".
- The Sheriff states the light was in the grass "right on the shoulder area".
- The Sheriff states the glowing light was about 5 feet from him.
- The Sheriff states he would have walked past Mr. Boever's body to get to the flashlight.

Sheriff Volek contacts the South Dakota Division of Criminal Investigation after Mr. Ravnsborg informed him of Mr. Boever's body.

\section*{Weather Conditions}

The National Weather Service provided the following information regarding the crash. There is no specific information for the Highmore area but the surrounding area reported the following information:



Table 2: Huron Regional Airport - approximately 61 miles east of the crash location
I also requested information from NWS regarding weather conditions after the crash, specifically wind speed and direction. NWS provided the requested information, indicating the maximum wind gust from 22:46 hours on \(09 / 12 / 20\) to \(11: 04\) hours on \(09 / 13 / 20\) was 17.88 MPH . The cardinal direction of the wind origin varied between South and South/Southwest (SSW). See attached information from NWS.

Images from highway travel cameras were also provided by NWS from the following locations:
- Harrold, SD travel camera

Approximately 13.5 miles west of the crash location.
- Jct of SD Hwy 47 and SD Hwy 26

Approximately 17.4 miles north of the crash location.
- Mac's Corner

Approximately 18.7 miles south of the crash location.


Figure 12: Geographic locations of the cameras

The weather information along with the camera viewpoints did not indicate any visibility or weather conditions that would contribute to the crash. Videos obtained from businesses in the area also did not indicate any visibility or weather conditions that would contribute to the crash.

\section*{Roadway}

In the area of the crash, US Hwy 14 is an asphalt two lane road maintained by the South Dakota Department of Transportation (DOT). The eastbound and westbound lanes are separated by a dashed yellow line. The shoulders are separated by a continuous white line. There are two white lines that overlap each through the crash location and have varying widths. Along the north side of the fogline, on the north shoulder, are rumble strips. The posted speed limit through the crash area is 65MPH. There is no overhead lighting in the immediate crash area.

The north shoulder from the fog line to grass edge 10 feet 8 inches wide.
Within the north shoulder:
From the north edge of the fog line, the roadway maintains the same surface as the westbound driving lane for 4 feet 1 inch.
From the north edge of the maintained asphalt the shoulder transitions to a 1 foot 4-inch wide section of paved asphalt with no chip seal.
From the north edge of the asphalt with no chip seal the roadway transitions to unmaintained asphalt scattered with gravel for 4 feet 3 inches.
From the unmaintained asphalt to the grass edge the roadway transitions to gravel for 1 foot.


Figure 13: North Shoulder design
The following measurements were found on the forensic map:
The westbound lane is 11 feet 9 inches wide.
The eastbound lane is 11 feet 11 inches wide.
The south shoulder is 10 feet 7 inches wide.
A Do Not Pass sign is near the area of impact on the north side of the roadway. The Do Not Pass sign indicates a vehicle traveling eastbound is not allowed to pass as it enters the city limits of Highmore, SD.

A delineator post along the north side of the roadway is located near the final rest of Mr. Boever's body. The delineator post is 8 feet north of the asphalt shoulder, 23.2 feet northwest of Mr. Boever's body and 17.8 feet southeast of Mr. Boever's leg.

The roadway is in good condition with visible lane markings during daytime and nighttime hours. The rumble strips had various areas that appeared to be paved over and slightly filled in. However, during the skid testing that was conducted with Mr. Ravnsborg's vehicle they were noticeable and created a vibration and noise that was immediately noticeable within the vehicle.

There are no roadway conditions that would contribute to the fatal crash.
On 09/14/20 the SD DOT completed a request that required the movement of the speed limit sign along the west side of Highmore. On the day of the crash, the 65 MPH speed limit sign posted for westbound traffic was approximately 500 feet east of its current location. Sgt Snyder requested documentation indicating the request and was provided with a brief description of the request to move the sign.

\section*{Tow Truck Operator}

I was informed Black Hills Towing hauled Mr. Ravnsborg's crashed vehicle from the crash location near Highmore, SD to their shop in Pierre, SD. On 09/14/20 I met with the tow truck operator employed by Black Hills Towing. I identified the tow truck operator as James Alvin Lappe, , by his South Dakota driver's license. I met with Mr. Lappe at Black Hills Towing in Pierre, SD. I asked Mr. Lappe if he ever drove east of Mr. Ravnsborg's vehicle on the night of the crash, he stated he did not. I asked Mr. Lappe if anyone was with Mr. Ravnsborg's vehicle when he arrived, he stated a person he believed to be the Sheriff was with the vehicle. I asked Mr. Lappe if he had conversation with the Sheriff, he did not. I asked Mr. Lappe if there were any broken parts laying around the vehicle, he did not recall. Mr. Lappe stated vehicle parts had fallen onto the deck of his tow truck between the crash location and Pierre, as they were still laying there when he arrived back in Pierre. I asked Mr. Lappe if he remembered where the damaged vehicle was parked if I showed him a Google Earth image, he believed he could. Prior to showing Mr. Lappe the image, he recalled two field approaches - one in the north ditch and one in the south ditch, the approaches were directly across from each other. Mr. Lappe stated that is also why he did not drive east of the damaged vehicle, because he was able to easily turn around in the roadway by using the approaches. I asked Mr. Lappe how far he had to back up once he turned around. Mr. Lappe was not sure. I asked Mr. Lappe if it was less than 100 feet, he stated it was. Mr. Lappe stated he drives semi-trucks and regularly backs up a trailer length (no more than 53 feet). Mr. Lappe felt the distance he backed up was close to the length of a semi-trailer.


Figure 14: Location of approaches used by tow truck driver

\section*{Witnesses}

Agents from BCI identified multiple witnesses that observed Mr. Boever walking prior to the crash.
The first witness observed Mr. Boever walking on the north shoulder, along the grass edge. The witness slowed down, stopped, turned her vehicle around and returned to Mr. Boever. The witness had a brief conversation with Mr. Boever. The witness believed Mr. Boever may have been "intoxicated". The
witness observed Mr. Boever to be wearing glasses and carrying a light. The witness stated Mr. Boever was traveling west.

The second witness observed Mr. Boever walking on the north shoulder, along the grass edge.
Several people in another vehicle saw Mr. Boever walking on the north shoulder of the road, moments prior to the crash.

Further details regarding the witnesses and their statements can be found in BCI reports and information.

\section*{Video Surveillance Systems}

On 09/14/20 I traveled to Highmore, SD. I drove through the area and searched for video monitoring systems along US Hwy 14. I was informed Mr. Boever's current residence is . I attempted to locate video surveillance along Mr. Boever's potential walking path as well.

I stopped at the following locations in Highmore and determined they did not have any surveillance systems:
- Performance AG

200 West Hwy 14
- Jan Busse Ford 525 Commercial Avenue NE
- Titan Machinery

302 US Hwy 14
- D \& K Outpost

33690 US Hwy 14
- Plains Sausage

409 Commercial Avenue SE
I observed video cameras at the following locations in Highmore and had the described results:
- The Grand Lodge

36686 US Hwy 14
- I spoke with Mike Solberg on 09/14/20 via telephone.

- Hall Oil and Gas

197 \({ }^{\text {th }}\) Street / US Hwy 14
- I spoke with Noah Hall on 09/14/20 in person. Mr. Hall showed me his video monitors that covered the area from various cameras. I observed one camera to show a brief section of US Hwy 14. I requested Mr. Hall for a copy of the video. Mr. Hall was unable to download a copy of the video. Mr. Hall took a screen shot of a brief section of the video. Mr. Hall consented to BCI inspecting his video surveillance system. BCI met with Mr. Hall on a different date and time to inspect the system. BCI were unable to
download the system. Mr. Hall informed BCI they may be replacing the system at the end of the month. Mr. Hall stated he would allow BCI to take custody of the video storage device.
- On 09/24/20 I returned to Hall Oil and Gas with Sgt Kinney.

Mr. Hall also informed us he was unable to review certain videos regarding the time frame we were requesting.
- On 09/29/20 the Honorable Judge Bobbi Rank granted a search warrant, allowing the search of the video surveillance system at Hall Oil and Gas. On 09/30/20, Sgts Snyder and Kinney along with BCI served the warrant to Mr. Hall. Upon serving the warrant, the officers determined the video storage device had recently been replaced. The officers were able to locate the old storage device and seized it.
- The storage device was repaired and the video was viewed. Sgt Snyder reviewed the video but is unable to determine an exact time Mr. Ravnsborg travels past the gas station. Sgt Snyder was unable to locate Mr. Boever walking past the gas station prior to the crash.
- The Kut Hut

116 Iowa Avenue
- The video system recorded the roadway in front of the business. Sgt Austin Schmitz spoke with the owner, Dixie Volek, on 10/09/20.
- Highmore High School

415 Iowa Avenue
- I spoke with Quentin Cermak on 09/21/20. Mr. Cermak informed me the school does record the area surrounding the High School, specifically SD Hwy 47 in front of the High School. Mr. Cermak agreed to provide a copy of the video footage from the night of 09/12/20.
- On 09/24/20 I met with Mr. Cermak and provided him with several USB thumb drives to download the video footage.
- On 09/30/20, Sgt Snyder met with Mr. Cermak and was given the video footage.
- Sgt Snyder reviewed the video footage and did not observe Mr. Boever walking.
- Hoffman Trenching Services

82 Iowa Avenue
- I spoke with Kenny Hoffman on 09/24/20 regarding the video cameras on the perimeter of his business. Mr. Hoffman's wife reviewed the footage and observed a pedestrian near their business on the evening of 09/12/20.
- On 09/23/20 Agent Arenz viewed the video and downloaded a copy from the video storage device.
- Hyde Out Bed and Breakfast 315 Commercial Avenue SE
- On 09/24/20 I spoke with the owner of the Hyde Out Bed and Breakfast, John Simonson. I asked Mr. Simonson about the Ring doorbell camera on the front of his residence/business. Mr. Simonson informed me it is motion activated. Mr. Simonson reviewed any possible video captures from the night of 09/12/20. Mr. Simonson provided me with one video clip but based on the video time it did not capture Mr. Boever walking.
- Mashek Food Center
\(1002^{\text {nd }}\) Street SE
- On 09/24/20 I spoke with the manager, Jackie Mashek, and discussed the video surveillance system. Mrs. Mashek allowed me to view the video from September \(12^{\text {th }}\). There were several camera angles that could have captured Mr. Boever as he walked from his residence to the crash location.
- On 09/25/20 Sgts Kinney and Snyder met with Mrs. Mashek at Mashek Food Center. The Sgt's were able to find video footage of Mr. Boever walking north along SD Hwy 47 / Iowa Street at approximately 2130 hours. The Sgt's checked the time stamp of the live video and found it was accurate. The Sgt's downloaded the video.


Figure 15: Map of locations with and without video in Highmore
The following video information was found in and near Miller, SD.
On 09/18/20 I observed video surveillance cameras on the exterior of FarmTech in Miller, SD. I met with the business owner, Jeff Gnat and asked about the cameras. Mr. Gnat allowed me to view the camera displays. I observed one of the displays showed US Hwy 14 a short distance west of SD Hwy 45. I reviewed the video from the night of 09/12/20. At 2204 hours, I observed Mr. Ravnsborg's vehicle travel westbound, past the camera. Mr. Gnat allowed me to download footage of the video system. I determined the displayed time (hours : minutes) of the live video was current.

Sgt Snyder also located video footage of SD Hwy 45 north of Miller at a grain terminal. Sgt Snyder was provided a copy of the video from the night of the crash but was unable to positively identify any vehicles that may have been Mr. Ravnsborg's in the darkness. Sgt Snyder was able to identify Mr. Ravnsborg's vehicle traveling to Redfield, SD earlier in the day.

Redfield, \(S D\) video and information
Through their investigation, BCI determined Mr. Ravnsborg attended a dinner in Redfield, SD the night of the crash. The Agents determined the dinner was held at Roosters Bar and Grill. On 09/16/20, I traveled to Redfield, SD with BCI Agent Arnie Rummel. Agent Rummel met with the management at

Roosters Bar and Grill, 424 N. Main Street. The management allowed Agent Rummel to access the video surveillance system within the premises. Mr. Ravnsborg was observed leaving the premises at approximately 2108 hours. There was a noted time difference between the live video and current time.

Agent Rummel and I met with the management at Appel's Quick Stop. Agent Rummel and I determined the video was motion activated with gaps in the coverage. One of the security cameras captured vehicles traveling south at the intersection of West \(1^{\text {st }}\) Street and US Hwy 212. We requested the management to download any videos from that camera on the night of 09/12/20. The video was later reviewed and no vehicles matching Mr. Ravnsborg's were observed.

While in Redfield on 09/16/20, I observed a camera on the front of Dakotaland Federal Credit Union. I contacted the management at the Credit Union. I was informed they would need permission for us to view the video. Later that same day, I was informed I could view the video. On 09/17/20, Sgt Snyder met with the management at the Credit Union. Sgt Snyder reviewed the footage near the time Mr. Ravnsborg would have left Roosters Bar and Grill. Sgt Snyder did not observe any vehicle's resembling Mr. Ravnsborg's.

On 09/17/20, Trooper Joelle Schuknecht observed a camera on the property of 38423 US Hwy 212. It was later determined the camera did capture a portion of US Hwy 212. Sgt Snyder later reviewed the video to determine if he was able to view Mr. Ravnsborg's vehicle. Sgt Snyder was unable to positively identify Mr. Ravnsborg's vehicle.

\section*{Roadway Evidence Documentation - Nighttime}

On 09/17/20 I returned to the crash scene. Agents from BCI attempted to locate evidence on the roadway during nighttime hours. Prior to doing this, the Agents marked the roadway in quadrants. With the assistance of Sgt Snyder, we mapped the quadrants and some of the evidence found in the area. Based on the information provided by Mr. Lappe (tow truck operator) we mapped the area we believed Mr. Ravnsborg's vehicle was located prior to being loaded onto the tow truck. We also mapped the roadway markings and edges near the field approaches Mr. Lappe described.

\section*{Skid Testing Mr. Ravnsborg's Vehicle}

During the interview with Mr. Ravnsborg, BCI Agents requested permission to skid test Mr. Ravnsborg's vehicle. Mr. Ravnsborg consented to the testing. I requested Black Hills Towing to transport Mr. Ravnsborg's vehicle to the SD DOT shop in Highmore, SD. On 09/15/20 I escorted Black Hills Towing as it transported Mr. Ravnsborg's vehicle back to Highmore, SD.

Once Mr. Ravnsborg's vehicle was unloaded in the shop I installed the Vericom VC4000, with the assistance of Sgt Kinney. It was noted the right front wheel well was damaged and contacting the inside of the tire. The damaged wheel well was left in place for the first 2 recorded tests. After the first two tests the damaged parts were removed so the tire would not be damaged during testing. The GPS device was not used in the first two recorded runs. Sgt Kinney and Trooper Moore alternated between verifying speeds with their patrol vehicle RADAR systems. There was no difference between the Vericom speed determination and the RADAR units. However, Mr. Ravnsborg's speedometer generally ranged between \(2-5\) MPHs in excess of the other measured speeds. Example being - Mr. Ravnsborg's speedometer indicated 30 MPH but the measured speeds were \(25-28 \mathrm{MPH}\).

The brake point was positioned at the location where the first visible evidence was found on 09/13/20 (a paint chip). An orange cone was placed near that point. The shoulder of the roadway was painted with white paint around the base of the cone.

The testing was performed on the westbound roadway surface and on the north shoulder area. SD DOT provided traffic control on the roadway during the testing. The skid testing was video recorded by BCI using a drone. During the testing, the drone batteries became discharged and no recordings exist after that. After each test, photos were taken and the roadway was inspected for any indication of braking. There was never an indication of skidding but some shadowing was observed at higher speeds. All four tires continuously showed signs of spackling after braking. The anti-lock brake system (ABS) functioned during each test. The brake pedal was noted to have no sponge feeling nor did the vehicle experience lack of braking. The brake always functioned as a vehicle equipped with ABS would be expected to. On various occasions I attempted to steer while braking, I was able to move laterally while controlling the vehicle and braking. There was no loss of braking or maneuverability at any time.

During the skid testing that was conducted on the north shoulder, I crossed the fog line and rumble strip just prior to the point of braking. As I crossed the rumble strip there was a noticeable vibration and noise indicating I was crossing them. I did not experience any drift that would cause the vehicle to pull towards the shoulder. Every test conducted on the shoulder was done by steering the vehicle onto the shoulder from the westbound driving lane.

During the third attempt (Run016_Brake) at skid testing the VC4000 battery discharged and did not record the skid test event. The recordings start at Run0014_Brake and run concurrently to Run0035_Brake with exception to the gap at Run0016_Brake. There is also no event at Run0017_Brake as we checked the instrument files to ensure they were recording properly. There was no event recorded for Run0017_Brake. The following description identifies the braking events. The full Vericom report for each braking event is attached to this case. The GPS coordinates of mapping locations for tests 4-21 are included with that information.

Based on the information found during the testing I determined the braking difference between the asphalt shoulder and westbound driving lane was minimal (see chart below). The overall average for all of the skid tests is 0.882 . We also determined there was no braking difference between runs \(1-2\) with the damaged parts contacting the tire and any test afterwards after the damaged parts were removed. The deceleration factor between the skid tests remained consistent throughout. The only item of concern during the testing was the variance between the speedometer and the other indicated speeds. As previously stated, the speed consistently reported \(2-5 \mathrm{MPH}\) faster on the speedometer, it is unlikely this was caused by crash damage but undetermined at this time.

Also based on this information, we were able to determine the skid marks were not related to the crash involving Mr. Ravnsborg's vehicle. We were also able to determine the skid marks did not relate to the crash as the track width of the skid marks is approximately 7.25 feet wide. The track width of Mr. Ravnsborg's vehicle is 5.41 feet wide.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Westbound Lane - 30MPH} \\
\hline Date/Time & Run \# & Time Secs & Accel G Avg & Speed MPH & Distance ft. & GPS Speed MPH & GPS Dist ft \\
\hline 9/15/2020 12:38 & 1 & 1.3 & -0.87 & 24.82 & 24.4 & 0 & 0 \\
\hline 9/15/2020 12:48 & 2 & 1.28 & -0.898 & 25.21 & 24.4 & 0 & 0 \\
\hline & 3 & \multicolumn{6}{|c|}{Not recorded} \\
\hline 9/15/2020 13:08 & 4 & 1.63 & -0.895 & 32 & 39.25 & 32.54 & 47.99 \\
\hline \multicolumn{8}{|c|}{North Shoulder - 30MPH} \\
\hline Date/Time & Run \# & Time Secs & Accel G Avg & Speed MPH & Distance ft. & GPS Speed MPH & GPS Dist ft \\
\hline 9/15/2020 13:19 & 5 & 1.56 & -0.865 & 29.59 & 34.97 & 29.87 & 42.68 \\
\hline 9/15/2020 13:25 & 6 & 1.7 & -0.837 & 31.23 & 39.56 & 31.51 & 48.18 \\
\hline 9/15/2020 13:33 & 7 & 1.57 & -0.862 & 29.7 & 35.16 & 29.82 & 43.95 \\
\hline 9/15/2020 13:41 & 8 & 1.64 & -0.881 & 31.68 & 38.99 & 31.74 & 48.22 \\
\hline
\end{tabular}

Table 3: 30 MPH Skid Testing
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{ Westbound Lane - 45MPH } \\
\hline Date/Time & Run \# & Time Secs & Accel G Avg & Speed MPH & Distance ft. & GPS Speed MPH & GPS Dist ft \\
\hline \(9 / 15 / 202013: 54\) & 9 & 2.37 & -0.901 & 46.85 & 83.83 & 46.9 & 96.78 \\
\hline \(9 / 15 / 202013: 59\) & 10 & 2.27 & -0.887 & 44.18 & 75.89 & 44.35 & 89.04 \\
\hline \(9 / 15 / 202014: 04\) & 11 & 2.33 & -0.867 & 44.31 & 78.09 & 44.38 & 90.62 \\
\hline \multicolumn{8}{|c|}{ North Shoulder - 45 MPH } \\
\hline Date/Time & Run \# & Time Secs & Accel G Avg & Speed MPH & Distance ft. & GPS Speed MPH & GPS Dist ft \\
\hline \(9 / 15 / 202014: 09\) & 12 & 2.3 & -0.878 & 44.32 & 76.86 & 44.34 & 89.76 \\
\hline \(9 / 15 / 202014: 13\) & 13 & 2.36 & -0.886 & 45.87 & 81.28 & 45.59 & 93.63 \\
\hline \(9 / 15 / 202014: 17\) & 14 & 2.34 & -0.88 & 45.16 & 79.91 & 45.2 & 92.86 \\
\hline
\end{tabular}

Table 4: 45 MPH Skid Testing
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{ Westbound Lane - 65MPH } \\
\hline Date/Time & Run \# & Time Secs & Accel G Avg & Speed MPH & Distance ft. & GPS Speed MPH & GPS Dist ft \\
\hline \(9 / 15 / 202014: 24\) & 15 & 3.17 & -0.888 & 61.76 & 147.14 & 62.29 & 166.89 \\
\hline \(9 / 15 / 202014: 30\) & 16 & 3.33 & -0.882 & 64.43 & 160.45 & 64.09 & 177.17 \\
\hline \(9 / 15 / 202014: 36\) & 17 & 3.16 & -0.902 & 62.49 & 149.02 & 62.56 & 167.68 \\
\hline
\end{tabular}

North Shoulder - 65MPH
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Date/Time & Run \# & Time Secs & Accel G Avg & Speed MPH & Distance ft. & GPS Speed MPH & GPS Dist ft \\
\hline \(9 / 15 / 202014: 43\) & 18 & 3.19 & -0.906 & 63.37 & 152.14 & 63.98 & 173.46 \\
\hline \(9 / 15 / 202014: 48\) & 19 & 3.42 & -0.861 & 64.63 & 161.72 & 64.07 & 178.7 \\
\hline \(9 / 15 / 202014: 56\) & 20 & 3.31 & -0.888 & 64.49 & 157.27 & 64.36 & 174.48 \\
\hline
\end{tabular}

Table 5: 65 MPH Skid Testing
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{ Westbound Lane - 80MPH } \\
\hline Date/Time & Run \# & Time Secs & Accel G Avg & Speed MPH & Distance ft & GPS Speed & GPS Dist \\
\hline \(9 / 15 / 202015: 04\) & 21 & 4.14 & -0.906 & 82.3 & 254.33 & 81.89 & 275.36 \\
\hline
\end{tabular}

Table 6: 80 MPH Skid Testing
Upon completion of the skid testing, Mr. Ravnsborg's vehicle was loaded on the tow truck. The tow truck returned Mr. Ravnsborg's vehicle to the Pierre Police Dept. Evidence Building. The tow truck and vehicle were escorted by Trooper Moore back to the evidence shed.

\section*{Exemplar Vehicle Testing}

On 09/21/20, I located a vehicle that is exemplar to Mr. Ravnsborg's vehicle at Vern Eide Auto Center in Sioux Falls, SD. I spoke with \(\square\) via phone. agreed to rent the vehicle to the SD Highway Patrol for exemplar testing. On 09/24/20, the exemplar vehicle was delivered to the SD Highway Patrol shop in Pierre, SD. I drove the vehicle to the crash location near Highmore, SD. Earlier in the day, I determined Walmart sold the same headlight bulb (Sylvania 9005) that was used in Mr. Ravnsborg's vehicle on the night of the fatal crash. I purchased two bulbs and later installed them in the exemplar vehicle.

The following information for Sylvania 9005 headlight bulbs is found on www.bulbamerica.com:
- ANSI Code: 9005
- Alternate Part Number: HB3
- Sylvania Part Number: 9005.BP Basic
- Primary Application: DRL, Headlight
- Bulb Technology: Halogen Bulbs
- Filament: C-8
- Base: P20d
- Bulb Shape: T-4
- High Beam Wattage: 65W
- Lumens: 1700LM
- Color Temperature: 3100 K
- Amperage Draw: 5.08Amp
- Voltage: 12 V
- Rated Life: 320Hours
- Bulb Diameter (in): 0.48
- Overall Length (in): 3.02

BCI Agent Arenz provided the light used by Mr. Boever on the night of the crash. Prior to the testing, new batteries were installed in the flashlight. Agent Rummel dressed in clothing similar to Mr. Boever's on the night of the fatal crash. Agent Rummel walked along the north ditch of the road, holding the light in various positions as we drove past in the exemplar vehicle. Agent Arenz rode in the passenger seat of the exemplar vehicle as I drove past Agent Rummel at 65MPH. The first series of tests were performed with the headlights in low-beam. As we approached Agent Rummel, Agent Arenz and I were able to clearly see him with no question it would be a person walking along the roadway. The next series of tests were conducted with the headlights on high beam. It became very easy to see Agent Rummel walking in the darkness, along the north ditch.

While beginning one of the attempts to drive past Agent Rummel, we observed a westbound vehicle pull to the side of the road and turn around. The vehicle returned to Agent Rummel to check on him. Sgt Kinney pulled up to the motorist seconds later. Agent Arenz and I drove toward the vehicles as they were pulling away. Sgt Kinney informed us it appeared a passerby saw Agent Rummel walking and was concerned for his safety. Agent Rummel later informed me that several of the westbound vehicles applied their brakes as they passed him. Agent Rummel believed the brakes were being applied by several of the vehicles prior to traveling past him.

On 09/25/20, Sgt's Kinney and Snyder and I drove the exemplar vehicle to Redfield, SD. Since we did not know the path Mr. Ravnsborg traveled from Roosters Bar and Grill, we timed several routes from Roosters Bar and Grill to the west edge of Redfield. As we traveled the routes, we followed the posted
speed limits. We experienced no delays during the testing. Sgt Snyder drove the exemplar vehicle as Sgt Kinney and I timed the routes traveled.


Figure 16: Route \#1


Figure 17: Route \#2


Figure 18: Route \#3


Figure 19: Route \#4
During the exemplar testing in Redfield, traffic varied and occasionally caused minor delays. The slowest recorded time to drive from Roosters to the intersection of US 212 and \(\mathrm{W} 4^{\text {th }}\) Avenue was 1 minute 37 seconds. The longest time recorded was the combination of route \#1 (Figure 16) and route \#4 (Figure 19) for a total time of 2 minutes 34 seconds.

The video collected from Roosters Bar and Grill indicated Mr. Ravnsborg walked out the door at 2108 hours. Mr. Ravnsborg's cellphone indicated he departed Roosters Bar and Grill at 2121 hours. We parked the exemplar vehicle along W 5 \({ }^{\text {th }}\) Avenue. We departed Roosters Bar and Grill at approximately 2109 hours. We began timing the trip as we left Roosters Bar and Grill. We noted the accumulated times at the following points along the path:
- Travel time in Redfield to \(\mathrm{W} 4^{\text {th }}\) Avenue \(=1\) minute 24 seconds
- Farm at 38423 US Hwy 212, near Redfield \(=2\) minutes 37 seconds;
- Grain elevator north of Miller \(=34\) minutes 00 seconds;
- Farm Tech \(=47\) minutes 31 seconds
- Hall Oil and Gas \((\mathrm{G} 3)=1\) hour 8 minutes 33 seconds
- Crash site \(=1\) hour 8 minutes 59 seconds

\section*{Exemplar Vehicle Testing - Calculations}

As previously discussed, exemplar nighttime testing was conducted at the crash site, with a pedestrian carrying a flashlight. During the testing, Agent Arenz and I both knew Agent Rummel would be walking on the shoulder of the road and we were looking for him as we conducted the tests. The fact other passing motorists would not know a pedestrian is walking on the shoulder of the road would likely cause them to react differently. During the testing, Agent Arenz and I used high beam and low beam headlights on separate runs as we approached Agent Rummel. One consistency noted during the testing was the fact, Agent Arenz and I could both see Agent Rummel a greater distance away when the flashlight was pointed toward us. The flashlight was noticeable but the outline of Agent Rummel was still indistinguishable. I did not use the observations of the light in my calculations, only the observations of Agent Rummel when we could clearly identify his outline.

The perception and reaction time used in these calculations is 1.6 seconds. \({ }^{1}\)
We observed the following results during the exemplar testing:
Low Beam Headlights at 65MPH

We were able to see Agent Rummel approximately 2 seconds prior to traveling past him when the flashlight was not pointed at us. Based on the speed of 65 MPH we would have been approximately 190.58 feet from Agent Rummel upon seeing him.
```

Speed (S) = 65MPH
Velocity (V) 65 • 1.466=95.29FPS
Time (t)=2.0 seconds
Distance (D) = 190.58 feet

```
\[
\begin{gathered}
D=V \cdot t \\
D=95.29 \cdot 2 \\
D=190.58 \mathrm{feet}
\end{gathered}
\]

Equation 1
At 65 MPH ( 95.29 FPS ) a vehicle would travel the average perception and reaction time of 1.6 seconds in 152.64 feet.

> Velocity \((\mathrm{V})=95.29 \mathrm{FPS}\)
> P/R time \((\mathrm{t})=1.6\) seconds
> Distance \((\mathrm{D})=152.64\) feet
\[
\begin{gathered}
D=V \cdot t \\
D=95.29 \cdot 1.6 \\
D=152.64 \mathrm{feet}
\end{gathered}
\]

Equation 2
A passing motorist would apply their brakes 37.94 feet (190.58-152.64=37.94) prior to striking a pedestrian. The vehicle would be traveling 56 MPH as it stuck the pedestrian.

Original speed at braking \(\left(\mathrm{S}_{\circ}\right)=65 \mathrm{MPH}\)
Braking distance (D) \(=37.94\) feet
Deceleration factor \((\mathrm{f})=0.882\)
Speed at impact \(\left(\mathrm{S}_{\mathrm{f}}\right)=56 \mathrm{MPH}\)
\[
\begin{gathered}
s_{f}=\sqrt{S_{o}^{2} \pm 30 \cdot D \cdot f} \\
S_{f}=\sqrt{65^{2}-30 \cdot 37.94 \cdot 0.882} \\
S_{f}=\sqrt{4225-1003.89} \\
S_{f}=\sqrt{3221.11} \\
S_{f}=56.75 \\
S_{f}=56 M P H
\end{gathered}
\]

Equation 3


Figure 20: Exemplar Testing - Low Beam

We were able to see Agent Rummel approximately 3 seconds prior to traveling past him when the flashlight was not pointed at us. Based on the speed of 65 MPH we would have been approximately 285.87 feet from Agent Rummel upon seeing him.
```

Speed (S) =65MPH
Velocity (V) 65 | 1.466=95.29FPS
Time (t) = 3.0 seconds
Time (t)=3.0 seconds

```
\[
\begin{gathered}
D=V \cdot t \\
D=95.29 \cdot 3 \\
D=285.87 \text { feet }
\end{gathered}
\]

Equation 4

As previously determined, a vehicle traveling 65MPH (95.29FPS) would travel 152.64 feet during the average perception and reaction time of 1.6 seconds.

A passing motorist would apply their brakes 133.23 feet (285.87-152.64=133.23) prior to striking a pedestrian. The vehicle would be traveling 26 MPH as it stuck the pedestrian.

Original speed at braking \(\left(\mathrm{S}_{\mathrm{o}}\right)=65 \mathrm{MPH}\)
Braking Distance ( D ) \(=133.23\) feet
Deceleration factor ( f ) \(=0.882\)
Speed at impact \(\left(\mathrm{S}_{\mathrm{f}}\right)=26 \mathrm{MPH}\)
\[
\begin{gathered}
S_{f}=\sqrt{S_{o}^{2} \pm(30 \cdot D \cdot f)} \\
S_{f}=\sqrt{65^{2}-(30 \cdot 133.23 \cdot 0.882)} \\
S_{f}=\sqrt{4225-3525.26} \\
S_{f}=\sqrt{699.74} \\
S_{f}=26.45 M P H \\
S_{f}=26 M P H
\end{gathered}
\]

Equation 5


\section*{Interactive Driver Response Research (I.DRR) analysis}

On 10/21/20 I met with Gene Barthel in Watertown, SD. Mr. Barthel allowed the use of his software (I.DRR) to analyze the distance of Mr. Ravnsborg headlights (Sylvania 9005). The full information used for the analysis is attached to this case. Based on the information analyzed by Mr. Barthel's software, Mr. Ravnsborg should have seen Mr. Boever at the following distances:
- Low beam headlights 90 feet \(\pm 35\) feet
- High beam headlights 164 feet \(\pm 57\) feet

Mr. Ravnsborg stated his speed was approximately 65MPH (95.29FPS). Mr. Ravnsborg's speedometer differs from the actual speed by 2-5 MPH more than the actual vehicle speed. If Mr. Ravnsborg believes his vehicle is traveling 65 MPH he is traveling \(60-63 \mathrm{MPH}\). The following table indicates Mr. Ravnsborg's perception and reaction distance along with braking distances at 60 MPH and 65 MPH .


Table 7: I.DRR Analysis information
Based on the information provided by Mr. Barthel's software and Table 7:
If a motorist is traveling 60MPH with their low beam headlights on, they would see a pedestrian between 55 feet and 125 feet but would not be able to react prior to striking the pedestrian.

If a motorist is traveling 60 MPH with their high beam headlights on, they would see the pedestrian between 107 and 221 feet. The median percentage of drivers would have applied the brakes prior to striking the pedestrian and been traveling approximately 54 MPH .

If a motorist is traveling 65 MPH with their low beam headlights on, they would still see a pedestrian between 55 feet and 125 feet but would not be able to react prior to striking the pedestrian.

If a motorist is traveling 65MPH with their high beam headlights on, they would still see the pedestrian between 107 and 221 feet. The median percentage of drivers would have applied the brakes prior to striking the pedestrian and been traveling approximately 62 MPH .

If a motorist is traveling 65MPH with their headlights on low beam they would see a pedestrian in dark clothing for 0.63 seconds to 2.71 seconds prior to impact. As previously stated, this is not enough time to react but they would see the pedestrian. This does not take into account a flashlight used by the pedestrian.

If a motorist is traveling 65MPH with their headlights on high beam they would see a pedestrian in dark clothing for 0.58 seconds to 2.42 seconds prior to impact. This is enough time for an undistracted person to react. The does not take into account a flashlight used by the pedestrian.

\section*{Area of Impact}

The evidence found at the scene indicated the area of impact was within the north shoulder. There was no indication of an impact within the westbound lane. The north shoulder is 10.76 feet wide.

While mapping the crash scene on 09/13/20, numerous points indicating red paint chips, vehicle parts and reddish-brown substance were mapped. Using the information from the forensic map Sgt Kinney created trend lines based on the mapped evidence. Sgt Kinney provided the X and Y coordinates for paint chips, vehicle parts, reddish-brown substance and a separate all points he calculated in the trend lines. See Sgt Kinney's report for further information regarding the trend lines.

Based on previous studies at the 2009 IPTM Special Problems Conference the first evidence is generally located at the location of impact. This indicates the exact area of impact will be near the beginning of the trend lines where the concentrated evidence begins.

Based on the mapping coordinates, I placed the trend lines in the forensic map. All of the trend lines began on the north shoulder. The all points trend line places the area of impact 1.03 feet from the grass ditch, on the north shoulder.


Figure 22: Trend Lines with Evidence


Figure 23: Trend Line Origins from Grass
During an interview between BCI and Mr. Ravnsborg on 09/14/20, Mr. Ravnsborg makes a statement regarding the pieces of his vehicle that fell during and after the crash. Mr. Ravnsborg states the pieces were on the shoulder of the roadway and were still there the next morning. During the interview, Mr. Ravnsborg was asked if he moved any of the pieces from the roadway, he stated he did not.

During an interview between BCI and Mr. Ravnsborg on 09/13/20, Mr. Ravnsborg makes several comments questioning why a person would be walking on the shoulder at night.

BCI identified two witnesses that observed Mr. Boever walking on the shoulder prior to the crash. The witnesses described Mr. Boever walking along the grass on the north shoulder.

Based on the previous calculations and witness statements it can be determined Mr. Boever was approximately one foot from the grass edge along the north side of the shoulder. Vehicle specifications indicate Mr. Ravnsborg's 2011 Ford Taurus track width is 65 inches ( 5 feet 5 inches). When a vehicle scaled to the size of Mr. Ravnsborg's is placed on the north shoulder on the trend lines, it indicates the right and left tires of Mr. Ravnsborg's vehicle crossed the rumble strip.


Figure 24: Position of Ravnsborg's Vehicle at Impact

\section*{Braking Calculations}

The average deceleration factor found for Mr. Ravnsborg's vehicle was 0.882 . During an interview with \(\mathrm{BCI}, \mathrm{Mr}\). Ravnsborg indicated he was looking at the speedometer as the crash occurred and attempting to set his cruise at approximately 65MPH. Mr. Ravnsborg was westbound on US Hwy 14 from Highmore, SD. The posted speed limit in Highmore, SD is 45MPH. The 45MPH ends and transitions into a 65 MPH speed zone 1,101 feet prior to the area of impact. During the skid testing I was starting from 0 MPH near the beginning of the 65 MPH speed zone, I was able to achieve 65 MPH prior to the previously marked location (first paint chip). It should be noted the actual area of impact is approximately 80 feet west of the "first paint chip" location. Mr. Ravnsborg's vehicle would be able to accelerate from 45MPH to 65 MPH in the 1,101 feet. Based on this information, it can be determined Mr. Ravnsborg's vehicle could achieve a speed of 65MPH or greater, if he was traveling 45MPH through Highmore and began to accelerate at the 65 MPH sign.

If Mr. Ravnsborg makes a panic brake application from 65MPH he would stop in 159.67 feet.


If Mr. Ravnsborg makes a panic brake application from 60MPH he would stop in 136.05 feet.

Speed (S) \(=60 \mathrm{MPH}\)
Deceleration factor ( f ) \(=0.882\)
Distance (D) \(=136.05\) feet
\[
\begin{gathered}
D=\frac{S^{2}}{30 \cdot f} \\
D=\frac{60^{2}}{30 \cdot 0.882} \\
D=\frac{3600}{26.46} \\
D=136.05 \text { feet }
\end{gathered}
\]

Equation 7
During an interview with BCI, Mr. Ravnsborg indicated he did not immediately apply the brakes until after he struck the unknown object that was later found to be Mr. Boever. Mr. Ravnsborg stated that when he did apply the vehicle brakes, he "tapped" them.

The distance from the AOI to Mr. Ravnsborg's vehicle stopping point is approximately 614 feet. The impact speed of Mr. Ravnsborg's vehicle is approximately 65MPH. The calculated deceleration factor of Mr. Ravnsborg's vehicle is 0.229 .

Speed \((\mathrm{S})=65 \mathrm{MPH}\)
Distance \((D)=614\) feet
Deceleration factor \((\mathrm{f})=0.229\)
\[
\begin{aligned}
& f=\frac{S^{2}}{30 \cdot D} \\
& f=\frac{65^{2}}{30 \cdot 614} \\
& f=\frac{4225}{18420} \\
& f=0.229
\end{aligned}
\]

Equation 8
The calculated deceleration factor indicates Mr. Ravnsborg is using less than \(1 / 3\) of the available braking force of 0.882 .

\section*{BCI Interviews with Mr. Ravnsborg}

BCI Agents Rummel and Arenz conducted two separate interviews with Mr. Ravnsborg, one on 09/14/20 and the other on \(09 / 30 / 20\). The information provided in this report is limited to events prior to and during the crash events, see Agents Rummel and Arenz reports for full information.

\section*{09/14/20 Interview}

Mr. Ravnsborg provided the following information during the interview -
- Traveling from Redfield, SD to Pierre, SD when the crash occurred.
- There were no stops after leaving Redfield, SD.
- His route was US 212 from Redfield; SD 45 to Miller; US 14 from Miller.
- Has two cell phones. A personal phone and a work phone.
- Slowed down as he drove through Highmore.
- Thought about stopping for gas in Highmore but the stations looked closed.
- Started to accelerate when he sees the 65 MPH sign.
- Sees the 48 miles to Pierre sign.
- Stated "WHAM" and slaps his hands indicating the crash occurs.
- Never saw anything until impact.
- Did not have time to swerve, decelerate or accelerate.
- Debris was on the shoulder.
- Stated "I believe I was on the road the whole time".
- Went through town. Slowed down. Saw 65MPH sign looking off to right. Started to speed up.
- Consented to skid testing his vehicle.
- No exactly sure about how fast he was going, 4MPH over the speed limit at the most.
- Stated "As the best that I recollect, I am driving along in the drive lane and WHAM and then I react and I might have hit the brake then. I did work myself to the shoulder then. I don't know if I slammed on the brakes at all. It was more the jolt of it then trying to just control the car to get it off to the shoulder".
- Indicates he was not distracted and thought the radio was off but not \(100 \%\) sure.
- Stated "I know I was on the road".
- The pieces were on the shoulder and were still there the next morning.

\section*{09/30/20 Interview}

Mr. Ravnsborg provided the following information during the interview -
- Lot of sleep the night before.
- Flew into Rapid City from Louisiana the night before.
- Attended a Lincoln Day Dinner in Rapid City on September \(11^{\text {th }}\).
- Slept in until 9:30-10:30AM on the day of the crash.
- Was asked to speak at an event in Sisseton also on the \(12^{\text {th }}\) but declined due to the distance.
- Approximately 3PM left Pierre traveling to Redfield.
- Approximately 9PM -915PM left Roosters Bar and Grill in Redfield.
- Did not stop after leaving Redfield.
- Describes leaving Redfield as "snake" through town.
- Had a phone conversation with his father after leaving Redfield, no other calls.
- Listening to Twins game and Lakers playing Houston.
- Shut off radio close to Highmore.
- Looked to right and left in Highmore.
- Car pointing east in south gas station.
- North gas station had 3 to 4 High School kids.
- Going to shut radio off and think about big cases that are coming up.
- Traditionally put it in cruise but had not locked it in yet.
- Had not "engaged" cruise.
- Generally set cruise around \(65-67 \mathrm{MPH}\).
- Never travel more than 4 over anymore.
- Had not turned high beams back on after Highmore.
- Stated "I did not punch the brakes. My military training, you don't punch. I've always been taught you don't punch the brakes because then you could spin. So, I tapped the brakes 3 or 4
times, trying to control the vehicle and you know shake as you get to the side of the road and brought it to control as best I could. To safely get to the side of the road."
- Did not move any debris from the roadway.
- Wreckage was still there the next day.
- No vision problems.
- Does not wear glasses.
- Was using his phone up to the time of the crash.
- One phone on the seat slammed into the the wheel well.
- Set phone down around Highmore on console.
- Pumping the brakes.
- Does not recall crossing the rumble strips.
- Uses the resume sometimes

\section*{Speed Determinations}

Mr. Ravnsborg departs Roosters Bar and Grill at approximately 2121 hours. At 2224 hours Mr. Ravnsborg calls 911. I determined the distance from the crash site to the intersection of US Hwy 14 and SD Hwy 45 was 22.49 miles. Google maps measures the distance as 22.55 miles. Mr. Ravnsborg's vehicle drives past the FarmTech camera in Miller at 22:04:22 hours. The 911 call is received at 22:24:08 hours. These times show Mr. Ravnsborg traveled from the west edge of Miller, SD on US Hwy 14 to the crash location, struck Mr. Boever and called 911 in 19 minutes and 46 seconds.

Work Phone times vs Exemplar testing
During the exemplar test of driving from Redfield, SD to Highmore, SD we determined the total driving time to be 1 hour, 8 minutes and 59 seconds. The driving time for Mr. Ravnsborg, based on his work cellphone, was 1 hour, 3 minutes and 3 seconds. The total distance to drive from Redfield, SD to the crash location is approximately 71.7 miles .

The average speed of Mr. Ravnsborg's trip was 68MPH.
\[
\begin{aligned}
& \text { Distance }(D)=378,576 \text { feet } \\
& \text { Time }(t)=3,783 \text { seconds } \\
& \text { Velocity }(V)=100.07 \mathrm{FPS} \\
& \text { Speed }(S)=68 \mathrm{MPH}
\end{aligned}
\]
\[
\begin{gathered}
V=\frac{D}{t} \\
V=\frac{378,576}{3,783} \\
V=100.07 F P S \\
S=\frac{V}{1.466} \\
S=\frac{100.07}{1.466} \\
S=68.26 M P H
\end{gathered}
\]

Equation 9

The average speed of the exemplar trip was 62 MPH .
\[
\begin{aligned}
& \text { Distance }(\mathrm{D})=378,576 \text { feet } \\
& \text { Time }(\mathrm{t})=4,139 \text { seconds } \\
& \text { Velocity }(\mathrm{V})=91.46 \mathrm{FPS} \\
& \text { Speed }(\mathrm{S})=62 \mathrm{MPH} \\
& \qquad V=\frac{D}{t} \\
& \qquad V=\frac{378,576}{4,139} \\
& V=91.46 F P S \\
& S
\end{aligned} \begin{aligned}
& \text { S }=\frac{V}{1.466} \\
& S=\frac{91.46}{1.466} \\
& S
\end{aligned}
\]

Equation 10

Mr. Ravnsborg averages 6MPH faster than a vehicle traveling the posted speed limits.

\section*{Highmore to Miller}

Based on the specified times and locations it can be determined Mr. Ravnsborg was traveling an average speed of 68.32 MPH . The calculated speed is an average speed and does taken the slower speed limit on the west side of Miller, SD and through Highmore, SD into account. This speed also does not take any delays for Mr. Ravnsborg to call 911 after stopping his vehicle.
\[
\begin{aligned}
& \text { Time }(\mathrm{t})=19 \text { minutes } 46 \text { seconds }(1,186 \text { seconds }) \\
& \text { Distance }(\mathrm{D})=22.5 \text { miles }(118,800 \text { feet }) \\
& \text { Average Velocity }(\mathrm{V})=100.16 \mathrm{FPS} \\
& \text { Average speed }(\mathrm{S})=68.32 \mathrm{MPH} \\
& \qquad V=\frac{D}{t} \\
& V=\frac{118,800}{1,186} \\
& V=100.16 F P S \\
& S=\frac{100.16}{1.466} \\
& S=68.32 M P H
\end{aligned}
\]

Equation 11
During the skid testing of Mr. Ravnsborg's vehicle I determined his speedometer varied by 2-5MPH over the actual speed. Based on this information Mr. Ravnsborg would have believed his vehicle was traveling \(70-73 \mathrm{MPH}\).

\section*{Mr. Ravnsborg's work cellphone}

BCI downloaded Mr. Ravnsborg's work phone. On October \(26^{\text {th }}\), I received an Excel document from BCI titled AG Timeline. I found various times and activity within the document. Some of the information can be found below. The full AG Timeline report is attached to this case.

2119-2121 Approximate departure time from Lincoln Day Dinner.
21:23:01 Calls his father and speaks to him for over 23 minutes. - Mr. Ravnsborg later states the call to his father was dropped while traveling on SD Hwy 45 between US Hwy 212 and Miller, SD.
21:48:01 Attempts to call his father at 2148 hours but the call is unanswered.
21:58:57 Calls his father and speaks to him for 2 minutes and 18 seconds.
22:17:25 Accesses Yahoo Mail
22:20:49 Accesses Dakota Free Press
22:21:13 Accesses Real Clear Politics
22:21:45 Accesses Riding the Dragon (Article regarding Joe Biden)
22:22:48 Phone locks and screen off
22:23:56 Phone screen turns back on
22:24:06 Phone is unlocked
22:24:22 911 call is made
On November 3, 2020 I received additional information from BCI regarding Mr. Ravnsborg's work phone. The information was contained within an Excel document titled "Apple iOS Full File system_2020-11-02_Report". I also received a Google Earth mapping file titled "locations". The "locations" file is a. kml file. When the "locations" file is opened it automatically populated various locations into Google Earth. These locations are identified in the Google Earth map as yellow pins. The coordinates can be referenced to the "Apple iOS Full File system_2020-11-02_Report" spreadsheet page titled "Timeline". I determined the original document "AG Timeline" could be referenced to other tabs throughout the Excel workbook. I found the information regarding the access of Yahoo, DakotaFreePress and RealClearPolitics was not reported with GPS Coordinates. However, I did find Yahoo, DakotaFreePress and RealClearPolitics were immediately preceded and followed by location updates which did indicate GPS coordinates. I mapped the following coordinates associated with Yahoo, DakotaFreePress and RealClearPolitics as follows:

Yahoo - prior (44.528048, -99.382250)
Yahoo - after (44.528044, -99.382657)
The calculated distance is 0.020 miles or 105.6 feet
Dakota Free Press - prior (44.528031, -99.385086)
Dakota Free Press - after (44.528031, -99.385494)
The calculated distance is 0.020 miles or 105.6 feet
RealClearPolitics - prior (44.527989, -99.394887)
RealClearPolitics - after (44.527987, -99.395302)
The calculated distance is 0.020 miles or 105.6 feet
RealClearPolitics Riding the Dragon - prior (44.527909, -99.408143)
RealClearPolitics Riding the Dragon - after (44.527906, -99.408538)
The calculated distance is 0.019 miles or 100.32 feet

When the previous coordinates were mapped within Google Earth they were approximately 105 feet apart. These distances were determined by calculating the coordinate distances at https://www.fcc.gov/media/radio/distance-and-azimuths. All other coordinate calculations were conducted in the same manner. The distances found at the FCC website are displayed in miles. The distances in feet are calculated by multiplying the miles by 5,280 feet.

Information found in the Excel document "Apple iOS Full File system_2020-11-02_Report" indicates the website RealClearPolitics is accessed at 10:21:13 an article found on RealClearPolitics titled "Riding the Dragon" is accessed at 10:21:45. The coordinates that precede these times are:

RealClearPolitics - prior (44.527989, -99.394887)
RealClearPolitics Riding the Dragon - prior (44.527909, -99.408143)
The distances between the two locations is 0.653 miles or \(3,447.84\) feet.
The time between the two points is 32 seconds.
The speed Mr. Ravnsborg would travel between the two points is 73.4 MPH .

Distance \(=3,447.84\) feet
Time ( t ) \(=32\) seconds
Velocity (V) \(=107.7\)
Speed (S) = 73.4MPH
\[
\begin{gathered}
V=\frac{D}{t} \\
V=\frac{3,447.84}{32} \\
V=107.7 \\
S=\frac{107.74}{1.466} \\
S=73.4 M P H
\end{gathered}
\]

Equation 12
The time of location updates is recorded in hours and minutes. I determined the last location Mr. Ravnsborg's phone indicated the time to be 22:20 hours was (44.528025, -99.389115). I determined the last location Mr. Ravnsborg's phone indicated the time to be 22:21 hours was (44.527857, -99.413801). I determined the distance between the two locations to be 1.216 miles or \(6,420.48\) feet. The speed Mr. Ravnsborg would travel between the two points is 72.9 MPH .

> Distance \(=6,420.48\) feet
> Time \((t)=60\) seconds
> Velocity \((V)=107\)
> Speed \((S)=72.9 \mathrm{MPH}\)
\[
\begin{gathered}
V=\frac{D}{t} \\
V=\frac{6,420.48}{60} \\
V=107 \\
S=\frac{107}{1.466} \\
S=72.9 M P H
\end{gathered}
\]

Equation 13


Figure 25

The locations, times, speeds and phone information indicate Mr. Ravnsborg is traveling 72-73MPH while reading an article on his work phone. As previously determined the error range of Mr. Ravnsborg is 25MPH. Mr. Ravnsborg's speedometer indicates he is traveling 74-78MPH while reading the article.

I calculated the distances between each location update from the work phone on the Google Earth map. I labeled each distance with a purple icon with black center. After calculating the distances, I compared the location updates to the distances and found the location updates related to approximately 1 second at each interval. I calculated the speeds between each location update by using the calculated distances and one second intervals. I labeled each speed with a white push pin between the calculated distance intervals. I completed this process for every location updated prior to the crash that appears to be a one second interval.

Based on the phone GPS coordinate information I determined the following:
Mr. Ravnsborg begins slowing down from 68MPH approximately 330 feet prior to the 45MPH sign.
Mr. Ravnsborg slows to approximately 46MPH as he crosses the intersection of SD Hwy 47.
Mr. Ravnsborg begins to accelerate approximately 255 feet prior to the 65MPH sign.
Mr. Ravnsborg is traveling approximately 68 MPH as the crash occurs.
As these speeds are calculated it does not take into consideration the error found in Mr. Ravnsborg's speedometer when skid testing. Mr. Ravnsborg would think he is traveling 2-5MPH faster than the calculated speed.

I previously determined Mr. Ravnsborg would travel an average speed of 68.32 MPH to travel from Miller, SD to Highmore, SD. The calculated speed of 68.32 MPH does not take any deceleration Mr. Ravnsborg may have done as he left Miller or entered Highmore. It also does not take into any consideration of slower traffic or roadway hazards that may have been encountered between the two towns. The speeds calculated from Mr. Ravnsborg's phone are realistic and relate to the varying speed limits. Since these speeds can be corelated the fact Mr. Ravnsborg is using his cellphone to research his email and political blogs at speeds in excess of the posted speed limits can also be concluded to. Mr. Ravnsborg is traveling \(7-8 \mathrm{MPH}\) over the posted 65 MPH speed zone but his speedometer indicates he is traveling 9-13MPH over the posted speed limit while using his cellphone for various tasks.

However, based on the information downloaded from the work cellphone, it indicates that Mr. Ravnsborg stops using his cellphone and begins to slow down as he enters Highmore city limits. Mr. Ravnsborg continues to exceed the posted speed by several miles per hour as he travels through town, but he is not using his work cellphone.

Based on the phone information, Mr. Ravnsborg departed Rooster's Bar and Grill at 21:21:19 hours and calls 911 at 22:24:22 hours. From the departure time to the 911 call time the total trip time is 1 hour 3 minutes and 3 seconds. During this time Mr. Ravnsborg's phone is unlocked for 44 minutes and 7 seconds. Mr. Ravnsborg unlocks his work phone 10 times during his trip. During the time Mr. Ravnsborg's work phone is unlocked he is searching political blogs (Real Clear Politics, Dakota Free

Press), Steve Barnett's webpage, weather app and making phone calls. Mr. Ravnsborg is using his work cellphone for over \(69 \%\) of his trip.

\section*{Swerve Calculations}

The damage to Mr. Ravnsborg's vehicle indicates Mr. Boever was struck on the right front corner of the vehicle. The damage is within \(1 \frac{1}{2}\) to 2 feet of the right front corner of the vehicle. Based on the previously determined information that Mr. Ravnsborg is traveling approximately 68MPH on the shoulder of the roadway, his headlights are limited to a distance of \(90 \pm 35\) feet on low beam and \(164 \pm\) 57 feet on high beam. The speed is based on GPS coordinates which can have variation, a conservative speed of 65 MPH was used in the calculations \({ }^{3}\). It has previously been determined Mr. Ravnsborg could not react in time to brake and avoid the crash with Mr. Boever on the shoulder of the roadway (Table 7).

Based on swerve calculations, if Mr. Ravnsborg's headlights are on high beam while traveling 65MPH, there is a possibility he can see Mr. Boever walking and react 69 feet before impact (Table 7). The average lateral acceleration values used to calculate lateral movement are 0.2 to \(0.3^{2}\), these values were used in the calculations. Using the perception and reaction time of 1.6 seconds, lateral distances of 1.5 to 2.0 feet and lateral acceleration values of 0.2 to 0.3 I calculated the turn-away distances and angles.


Figure 26: Impact distance from right side of car


Table 8: Turn-Away Distances and Angles

What the combination of Table 7 and Table 8 prove:
- The longest distance where an avoidance maneuver begins (Table 7) is 68.54 feet, with the highbeams on. Based on the conservative values of lateral friction 0.2 , speed of 65 MPH and lateral
distance of 2 feet - Mr. Ravnsborg is unable to avoid striking Mr. Boever. The impact would likely be less severe, but it would still occur.
- If the lateral distance required for Mr. Ravnsborg to avoid the crash is in fact less (1.5feet) and lateral friction value is higher (0.3) than it is possible for Mr. Ravnsborg to avoid the crash, if he has his high-beam headlights on and not distracted.

There are several other factors to consider with the previous swerve calculations:
- They are based on an undistracted driver
- They do not take into consideration any distance a person would see a flashlight. These calculations are based solely on the analysis of a person walking at night while wearing dark clothing. There is no data available for the visible distance of the specific flashlight Mr. Boever was carrying on the night of the crash.
- If the brightness of Mr. Boever's flashlight is tested we would still not know the position in which he was carrying it.

\section*{Events After the Crash}

During the interviews, Mr. Ravnsborg stated he walked east from his vehicle towards Highmore. Mr. Ravnsborg cellphone indicates he takes 848 steps after the crash.

After the 911 call is made the phone activity continues and shows information regarding the number of steps taken, flashlight usage, pictures taken, phone calls and text messages.
```

22:24:24-22:34:23 Apple Health Steps = 848 Steps
22:26:59-22:33:15 Phone flashlight is on
22:33:22 Picture taken
22:34:23-22:44:23 Apple Health Steps = 74 Steps
22:44:23-22:51:38 Apple Health Steps = 80 Steps

```

The night of the exemplar testing, BCI placed Mr. Boever's flashlight along the edge of the roadway near the location of where it was discovered. With the flashlight on it was easy to see along the roadway. As previously stated, Mr. Boever's mostly naked body was approximately 2 feet from the shoulder of the roadway.

Mr. Ravnsborg clearly states, he walked along the north edge of the roadway with his phone flashlight on. Mr. Ravnsborg states he is unsure of what town he is near, so he begins walking back to the edge of city limits. As Mr. Ravnsborg walks back to Highmore, he walks next to Mr. Boever's body and the illuminated flashlight. Mr. Ravnsborg states he walks to the "Highmore" sign. On the night of the exemplar testing, Agent Rummel used his phone flashlight and attempted to locate the "Highmore" sign. Agent Rummel was able to see the "Highmore" sign when he was on the north shoulder, adjacent to the southwest corner of the DOT fence.

The Highmore sign is not in the forensic map. Based on hand measurements, the green reference line painted on the highway is approximately 45 feet west of the Highmore sign. The southwest corner of the DOT fence is approximately 65 feet west of the green reference line. Based on these measurements, the southwest corner of the DOT fence is approximately 110 feet west of the Highmore sign.


Figure 27: Reference to Highmore Sign Location

Based on measurements from the forensic map, Mr. Ravnsborg car is stopped 912 feet west of the green reference line. Mr. Ravnsborg's vehicle would be approximately 847 feet west of the southwest corner of the DOT fence. It is approximately 1,694 feet for Mr. Ravnsborg to walk from his vehicle to the first location the Highmore sign is visible and return to his vehicle. The download of Mr. Ravnsborg phone indicates the phone light turns on at 10:26:59PM and turns off at 10:33:15PM, for a total of 6 minutes and 16 seconds ( 376 seconds). Studies have determined the slowest \(40+\) male walking rate to be 4.11 FPS, the fastest walking rate to be 6.88 FPS , indicating the average walking rate of a \(40+\) year old male is 5.56FPS \({ }^{4}\).
```

Distance (D) $=1,694$ feet
Velocity $(\mathrm{V})=5.56 \mathrm{FPS}$
Time $(\mathrm{t})=5$ minutes and 4 seconds

```
\[
t=\frac{D}{V}
\]
\[
t=\frac{1,694}{5.56}
\]
\(t=304.67\) seconds or 5 minutes and 4 seconds Equation 14

In comparison, it took Mr. Ravnsborg 1 minute and 16 seconds longer to walk to the sign and return to his car then the average 40+ year old male.

However, the slowest pace of a \(40+\) year old male is 4.11 FPS. If Mr. Ravnsborg walks at a slower pace than the average person, it is plausible to take more time during his walk along the north ditch.

Distance (D) \(=1,694\) feet
Velocity ( V ) \(=4.11 \mathrm{FPS}\)
Time ( t ) \(=6\) minutes and 51 seconds
\[
\begin{gathered}
t=\frac{D}{V} \\
t=\frac{1,694}{4.11}
\end{gathered}
\]
\(t=412.16\) seconds or 6 minutes and 51 seconds
Equation 15

\section*{Discovery of the Mr. Boever}

Mr. Ravnsborg informed BCI he returned early the next morning, with Tim Bormann, to return Sheriff Volek's vehicle. Prior to returning the vehicle, Mr. Ravnsborg returned to the area of the crash. Mr. Ravnsborg states he is going to search the south ditch for the deer he struck but pulls onto the north shoulder. Mr. Ravnsborg describes a piece of bumper that was lying on the north shoulder of the road and decides to stop there and check the north ditch first. Mr. Ravnsborg describes the thought of searching to the west first. The day after the crash there was only one large piece of bumper on the north shoulder. Mr. Ravnsborg told BCI he did not move any pieces of debris after the crash. That piece of bumper was mapped with an outline in the forensic map. The piece of bumper is within 25 feet of Mr. Boever's body. Mr. Ravnsborg's statement to BCI was he exited the vehicle and began walking west, he would not have needed to walk west from his vehicle as he was parked almost directly beside it.

\section*{Summary}

On September 12, 2020, prior to the fatal crash, Mr. Boever is driving his 2003 Ford F150 westbound on US Hwy 14, approximately 1 mile west of Highmore, SD. Mr. Boever drifts off the north edge of the roadway, travels for a short distance in the north ditch and strikes a haybale. The impact bends the front bumper, causing it to contact the right front tire. Mr. Boever receives a ride from the crash location from a relative. Mr. Boever tells the relative he dropped his tobacco and was reaching for it. What appears to be cigarette tobacco is found on the driver's seat.


On September \(12^{\text {th }}\), Mr. Boever is seen walking north on the sidewalk along SD Hwy 47 near Mashek Foods at 2131 hours. The video shows Mr. Boever is not stumbling or staggering as he walks on the sidewalk. Mr. Boever is later seen walking on the north shoulder, along the north ditch of US Hwy 14 prior to the crash. One witness observes Mr. Boever wearing glasses and carrying a light that is on. One of the witnesses talks to Mr. Boever. The witness stated Mr. Boever appeared to be intoxicated. Mr. Boever is believed to be walking to his vehicle when the witness talks to him. Mr. Boever is wearing a dark blue shirt, blue jeans and work boots.

On September 11, 2020, Mr. Ravnsborg attends a Lincoln Day Dinner in Rapid City, SD. Mr. Ravnsborg travels from Rapid City, SD to Pierre, SD that evening. Mr. Ravnsborg informed BCI he slept in until 9:30-10:30AM on September 12 \({ }^{\text {th }}\). Mr. Ravnsborg departs Pierre, SD at approximately 1500 hours and travels to a Lincoln Day Dinner at Rooster's Bar and Grill in Redfield, SD. Mr. Ravnsborg arrives at the dinner at approximately 1642 hours. Based on video, receipts and witness statements Mr. Ravnsborg does not drink any alcoholic beverages that evening. Toxicology reports later indicate Mr. Ravnsborg's blood is negative for drugs and alcohol. Mr. Ravnsborg's work phone indicates he walks to his vehicle and departs at approximately 2121 hours. A video shows Mr. Ravnsborg depart at 2108 hours. When the video was downloaded it was noted the time from the video differed from actual time.

Mr. Ravnsborg travels west from Redfield, SD on US Hwy 212. As Mr. Ravnsborg departs Redfield, he calls his father from his work phone. The call lasts for over 23 minutes and is dropped north of Miller, SD, on SD Hwy 45. Mr. Ravnsborg calls his father back just prior to arriving in Miller, the call lasts for over 2 minutes. Video surveillance in Miller, SD captured Mr. Ravnsborg traveling westbound on US Hwy 14 at 2204 hours. Mr. Ravnsborg continues to use his work phone throughout the trip. The total work phone usage time accounts for over \(69 \%\) of his trip. Based on the work phone information, the time from Mr. Ravnsborg departing Rooster's Bar and Grill to the 911 call is 1 hour, 3 minutes and 3 seconds. Exemplar testing conducted at all speed limits with no delays indicates the trip time to be 1 hours 8 minutes and 59 seconds. Mr. Ravnsborg average speed is 6 MPH faster than a vehicle traveling the posted speed limit.

As Mr. Ravnsborg approaches Highmore he is traveling 7-8MPH over the posted 65 MPH speed zone but his speedometer indicates he is traveling \(9-13 \mathrm{MPH}\) over the posted speed limit, while using his work cellphone for various tasks. As Mr. Ravnsborg enters Highmore his work cellphone locks and does not turn back on until the 911 call. Based on the work cell phone information, Mr. Ravnsborg slows to approximately 47 MPH as he travels across SD Hwy 47 and begins to accelerate a short distance before the 65 MPH sign. For an unknown reason, Mr. Ravnsborg's vehicle exits the westbound driving lane, crosses the rumble strip with the right and left-side tires then begins traveling on the north shoulder of the roadway. Mr. Ravnsborg states his headlights are on low beam at the time of the crash. Mr. Ravnsborg's work cellphone indicates he is traveling 68MPH at the time of impact. Mr. Boever is walking east on the north shoulder, approximately 1 foot from the grass ditch. Mr. Boever is carrying a flashlight that is illuminated. Mr. Ravnsborg impacts Mr. Boever on the right front corner of his 2011 Ford Taurus. Mr. Boever's head impacts the windshield and creates a hole. As Mr. Boever's head impacts the windshield his glasses are broken and fall into Mr. Ravnsborg's vehicle. During the impact, Mr. Boever's right leg is severed below the knee. Mr. Ravnsborg states he does not see Mr. Boever at any time prior to or during the crash.

All debris from the crash was located on the north shoulder, with exception to one bolt from underneath Mr. Ravnsborg's vehicle, that bolt was approximately 2 inches from the fog line in the westbound driving lane. The calculated trend lines place the area of impact on the shoulder, approximately 1 foot from the ditch. Witnesses who saw Mr. Boever moments prior to the crash saw him walking on the north shoulder along the ditch. With this information, the location of the crash is proven to be on the north shoulder of the roadway. Mr. Ravnsborg used his work phone for at least \(69 \%\) of his trip. Mr. Ravnsborg's work phone indicates he recently used it moments prior to the crash. At the time of this report it is unknown what distraction took Mr. Ravnsborg's attention from driving but something distracted Mr. Ravnsborg enough to cross the rumble strips twice (right and left side tires). After driving on the shoulder for an unknown distance Mr. Ravnsborg admits to never seeing Mr. Boever on the shoulder. While traveling 65MPH, Mr. Ravnsborg would have seen Mr. Boever for at least 0.58 to 1.31 seconds if his headlights were on low beam and Mr. Ravnsborg was undistracted. Mr. Ravnsborg would have seen Mr. Boever for even longer if his headlights were on high beam. After the crash Mr. Ravnsborg's uses less than half of
the normal braking his vehicle has available and stops 614 feet past the area of impact. Mr. Ravnsborg contacts 911 and informed them he hit something but is unsure of what it was.

If Mr. Ravnsborg is undistracted and using his high-beam headlights he is unable to brake to avoid this crash, however he may be able to avoid Mr. Boever by swerving. If Mr. Ravnsborg has his low-beams on, as he stated he did, he is unable to avoid the fatal crash by either braking or swerving.

After the crash Mr. Ravnsborg walks east on the north shoulder using the flashlight on his work phone. Mr. Boever's mostly naked body is approximately 2 feet from the shoulder. Mr. Boever's skin color is pale white. Mr. Boever's flashlight is illuminated along the north shoulder. Mr. Ravnsborg states he does not see the body or flashlight as he walks past.

Sheriff Volek arrives at the crash scene. Sheriff Volek lends Mr. Ravnsborg a vehicle. After Mr. Ravnsborg leaves, Sheriff Volek walks through the crash scene and sees a glowing light. Sheriff Volek believes the light is from the car, even though it is no longer attached. Sheriff Volek states he is within 5 feet of the light. Sheriff Volek states he does not see Mr. Boever's body but agrees he had to walk directly past it.

Mr. Ravnsborg's vehicle has no mechanical defects.
There were no roadway or environmental concerns.
Other motorists were able to see Mr. Boever on the night of the crash. Other motorists were able to see Agent Rummel as we conducted exemplar testing.

If Mr. Ravnsborg is not driving on the north shoulder of the road it makes no difference if Mr. Ravnsborg sees Mr. Boever or not, this crash does not occur.

Trooper John Berndt
South Dakota Highway Patrol
1. Olson, Paul L., and Michael Sivak. "Perception-Response Time to Unexpected Roadway Hazards." Human Factors: The Journal of the Human Factors and Ergonomics Society, vol. 28, no. 1, 1986, pp. 91-96., doi:10.1177/001872088602800110.
2. "14. Lane Change and Turn-Away Equations." Fundamentals of Traffic Crash Reconstruction, by John Daily et al., Institute of Police Technology and Management, University of North Florida, 2007, p. 476.
3. Bortolin, Roger, et al. Society of Automotive Engineers, 2012, GPS Device Comparison for Accident Reconstruction.
4. Becker, Tony L., and Tony L. Becker. Vehicle-Pedestrian-Bicycle Collision Investigation Manual. Institute of Police Technology and Management, 2003.
\begin{tabular}{|ll|}
\hline Status & Approved \\
Report Type & Case Report \\
Primary Officer & Shann Barrick \\
Investigator & None \\
Reported At & \(04 / 06 / 18\) 16:13 \\
Incident Date & \(04 / 06 / 18\) 16:13 \\
Incident Code & V: 10-44 \\
Location & MM 69 SD 79 \\
Zone & Pennington \\
Beat & HP Rapid City \\
& \\
Disposition & Closed - Citation Issued \\
Disposition Date/Time 11/20/20 15:18 \\
Review for Gang Activity None \\
\hline
\end{tabular}

Cited
RAVNSBORG, JASON RICHARD


32-25-1.1 - Speeding on State Highway (11-15 MPH Over Limit)(M2)

Offender


32-25-1.1 - Speeding on State Highway (11-15 MPH Over Limit)(M2)

\section*{Vehicles}

G00027 SD - (Citation)

\section*{Primary Narrative By Shann Barrick, 11/20/20 15:42}

\section*{Jason Ravnsborg Stop \& Citation}

On April 6, 2020 at approximately 1510 hours, I believe I was traveling northbound on SD Highway 79. I observed a southbound vehicle which appeared to be traveling faster than the posted speed limit of 65 mph . I activated my radar and it indicated that the vehicle was traveling at 82 mph . As the vehicle passed my location, I got in behind the vehicle and activated my emergency lights and the vehicle pulled over to the right shoulder, coming to a stop. I approached the vehicle on the driver side and made contact with the driver. I asked the driver if he had his driver s license and the vehicle paperwork. The driver handed me a South Dakota driver s license which identified him as Jason Ravnsborg. I asked Jason to come back and have a seat on the front passenger side of my patrol vehicle and he agreed to
cooperate.
Once inside my patrol vehicle, I ran a driver s license check through my Zuercher computer system and it indicated that it was valid. I informed Jason that I had stopped him for traveling at 82 mph in a posted 65 mph zone and he admitted to speeding. Jason stated that he was traveling to Hot Springs for a type of Republican event. Jason also stated that he was running for the Attorney General for South Dakota in the upcoming election. I informed Jason that I would be issuing him a citation for the speed and he accepted the responsibility and had no issues toward my enforcement actions. I explained the citation for speed and how to take care of the citation and he signed it without complaint.

Jason was very professional and polite during the entire traffic stop. I explained to Jason that he was good to go and wished him luck in the upcoming election. Jason exited my patrol vehicle, returned to his vehicle and left the scene.

Sgt Shann Barrick

Emergency Services Communications Center
"Pride in Service" \(\qquad\)

\section*{Vehicle Registration Query 04/06/18 16:13:56}
```

04/06/18 16:13:56 10-28 - Vehicle Registration Query

| Requested By | Reiman, Natalie |
| :--- | :--- |
| CFS \# | $18-093348$ |

Request Field Values
License Plate \# (LIC) G00027
Type (LIT) PC
Year (LIY) 2018
State (LIS) SD
State 2 (LIS)
State }3\mathrm{ (LIS)
State 4 (LIS)
State 5 (LIS)
Return Information
04/06/2018 16:19:30 ACCEPTED INPUT MSG \#00041
NCIC
SDB
DMVWS
MRI 0642596 IN SDB 04983 04/06/2018 16:19:30 OUT 04/06/2018 16:19:30 E053 00256
SD051053N
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY LIC/G00027
MRI 0642597 IN NCIC 06156 04/06/2018 16:19:30 OUT 04/06/2018 16:19:30 E053 00257
1L016C1UDMRI0642595
SD051053N
NO RECORD LIC/G00027 LIS/SD
MRI 0642598 IN DMVWS 03139 04/06/2018 16:19:30 OUT 04/06/2018 16:19:31 E053 00258
RR.SDLIC0000.SD051053NTXT
LIC/G00027.LIY/2018.LIT/PC.
LIC/G00027. LIY/2017. LIC-EXP/20180831. LIT/BRONZE STAR.
VIN/1FAHP2FW3BG149248. VYR/2011. VMA/FORD.
VMO/TAURUS LIMITED. VST/4D. VCO/RED.
WGT/3854. FUEL/GASOLINE. TONS/0.
TNR/130070847. COUNTY/7. ISSU/20130211.
NAM/JASON RAVNSBORG
ADR/
*** END OFDATA ***

```
04/06/18 16:15:38 10-59 - Driver License Query
\begin{tabular}{ll} 
Requested By & 37 - Barrick, Shann \\
CFS \# & \(18-093348\)
\end{tabular}

Request Field Values
\begin{tabular}{ll} 
State & SD \\
Last Name & RAVSNBORG \\
First Name & JASON \\
Middle Name / Initial & \\
\begin{tabular}{ll} 
Name Suffix \\
Date of Birth (DOB) \\
Sex (SEX)
\end{tabular} & \\
& M
\end{tabular}

\section*{Return Information}

MRI 0642670 IN SDB 04995 04/06/2018 16:21:12 OUT 04/06/2018 16:21:12 MHP37 00010 SD0519837
*** RESPONSE FROM SOUTH DAKOTA DATABASE *** NO MATCH ON INQUIRY NAM/RAVSNBORG,JASON.DOB/
MRI 0642671 IN NCIC 06170 04/06/2018 16:21:12 OUT 04/06/2018 16:21:12 MHP37 00011 1L016D0Z9MRI0642668
SD0519837

NO NCIC WANT NAM/RAVSNB0RG,JASON DOB/19760412 SEX/M
***MESSAGE KEY QW SEARCHES WANTED PERSON FILE FELONY RECORDS REGARDLESS OF EXTRADITION AND MISDEMEANOR RECORDS INDICATING POSSIBLE INTERSTATE
EXTRADITION FROM THE INQUIRING AGENCY S LOCATION. ALL OTHER NCIC PERSONS
FILES ARE SEARCHED WITHOUT LIMITATIONS.
MRI 0642673 IN DLP 04272 04/06/2018 16:21:12 OUT 04/06/2018 16:21:12 MHP37 00012
DR.SDDLP0000.SD0519837TXT
NAM/RAVSNBORG,JA*.DOB .SEX/M
NOT ON FILE
*** END OF DATA ***
04/06/18 16:16:01 10-28 - Vehicle Registration Query
\begin{tabular}{ll} 
Requested By & 37 - Barrick, Shann \\
CFS \# & \(18-093348\)
\end{tabular}

Request Field Values
License Plate \# (LIC) G00027
Type (LIT) PC
Year (LIY) 2018
State (LIS) SD
State 2 (LIS)
State 3 (LIS)
State 4 (LIS)
State 5 (LIS)
Return Information
MRI 0642694 IN NCIC 06173 04/06/2018 16:21:36 OUT 04/06/2018 16:21:36 MHP37 00013 1L016C0Z9MRI0642693
SD0519837
NO RECORD LIC/G00027 LIS/SD
MRI 0642695 IN SDB 04999 04/06/2018 16:21:36 OUT 04/06/2018 16:21:36 MHP37 00014 SD0519837
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY LIC/G00027
MRI 0642696 IN DMVWS 03155 04/06/2018 16:21:36 OUT 04/06/2018 16:21:36 MHP37 00015
RR.SDLIC0000.SD0519837TXT
LIC/G00027.LIY/2018.LIT/PC.

LIC/G00027. LIY/2017. LIC-EXP/20180831. LIT/BRONZE STAR.
VIN/1FAHP2FW3BG149248. VYR/2011. VMA/FORD.
VMO/TAURUS LIMITED. VST/4D. VCO/RED.
WGT/3854. FUEL/GASOLINE. TONS/0.
TNR/130070847. COUNTY/7. ISSU/20130211.
NAM/JASON RAVNSBORG
ADR \(\longrightarrow\).
*** END OFDATA ***
04/06/18 16:16:45 10-59 - Driver License Query
\begin{tabular}{ll} 
Requested By & 37 - Barrick, Shann \\
CFS \# & \(18-093348\)
\end{tabular}

Request Field Values
\begin{tabular}{ll} 
State & SD \\
Last Name & RAVNSBORG \\
First Name & JASON \\
Middle Name / Initial & \\
\begin{tabular}{ll} 
Name Suffix \\
Date of Birth (DOB) \\
Sex (SEX)
\end{tabular} & \\
\hline
\end{tabular}

\section*{Return Information}

MRI 0642742 IN SDB 05010 04/06/2018 16:22:19 OUT 04/06/2018 16:22:19 MHP37 00016 SD0519837
*** RESPONSE FROM SOUTH DAKOTA DATABASE *** NO MATCH ON INQUIRY NAM/RAVNSBORG,JASON.DOB
MRI 0642743 IN NCIC 06180 04/06/2018 16:22:19 OUT 04/06/2018 16:22:19 MHP37 00017 1L016D0Z9MRI0642741
SD0519837

NO NCIC WANT NAM/RAVNSB0RG,JASON DOB/19760412 SEX/M
***MESSAGE KEY QW SEARCHES WANTED PERSON FILE FELONY RECORDS REGARDLESS OF EXTRADITION AND MISDEMEANOR RECORDS INDICATING POSSIBLE INTERSTATE
EXTRADITION FROM THE INQUIRING AGENCY S LOCATION. ALL OTHER NCIC PERSONS
FILES ARE SEARCHED WITHOUT LIMITATIONS.
MRI 0642745 IN DLP 04284 04/06/2018 16:22:21 OUT 04/06/2018 16:22:21 MHP37 00018
DR.SDDLP0000.SD0519837TXT
NAM/RAVNSBORG,JA*.DOB .SEX/M
RAVNSBORG,JASON,RICHARD


PHY DESCRIPTION: SEX/M. HGT/6-02. WGT/205 LBS. EYE/BLU.
LICENSE CLASS : 1 - Car/Truck
LICENSE TYPE: D - Driver License
LICENSE STATUS : Active/Eligible
LICENSE DATES : ISS/2016-03-15. EXP/2019-04-12.
ORGAN DONOR : NO

\footnotetext{
*** END OF DATA ***
}


\section*{CITATION INFORMATION}

PETTY OFFENSES: If charged with a petty offense involving the operation and use of a motor vehicle, and you possess or have proof of a valid South Dakota driver's license, you may choose alternative 1, 2,3 below. If unable to meet the license requirement, or if charged with a non-traffic offense, you may choose alternative 2 or 3 below. Upon refusal of the following alternatives, you will be taken immediately to a magistrate for hearing.
1. Promise to Appear. You may sign the complaint as a written promise to appear. Intentional failure to appear is a Class 2 Misdemeanor.
2. Admission and Deposit. You may sign a stipulation admitting allegations in the complaint which, together with the required deposit, will be filed with the clerk of courts.
3. Deposit. You may immediately mail said deposit to the clerk of courts or personally make the deposit, either alternative to be in the presence of the officer. Refer to schedule of petty offenses for amount required for the deposit.

If you chose alternative 2 or 3 and do not appear in court on the date specified, the clerk will enter judgment against you and will forfeit your deposit. You may appear in court after signing an admission and the court may, upon motion, relieve you from the stipulation and effects thereof.

\section*{Mail to: PENNINGTON COUNTY CLERK OF COURTS 315 SAINT JOSEPH ST \#5 RAPID CITY, SD 57701}

If you intend to appear in court to contest this citation, it is recommended that you contact the Clerk of Courts Office listed on the citation before the indicated court date.

\section*{POWER OF ATTORNEY}

I hereby deposit with the Clerk of Courts of Pennington
County, South Dakota as a cash appearance bond the sum of \$125.00.
If desired to contest this matter, I will appear at the date, time and place for my initial appearance or contact the Clerk of Courts before that date and ask the clerk to reschedule the date for my initial appearance. If I do not appear (or contact the clerk of courts within the time period or if after the court date is set, I fail to appear). I hereby plead guilty to the charge and direct the Clerk to apply the money deposited as bond herewith to the payment of the fine and cost assessed against me.

I have read this document and have been given a copy.
B451713-HP

Signed
Defendant Date

Save Time. Pay Online.
Visit HTTPS://UJSPORTAL.SD.GOV/PORTAL
It may take up to 7 business days for your citation to be available online.
\begin{tabular}{ll}
\hline Status & Approved \\
Report Type & Case Report \\
Primary Officer & Patrick Bumann \\
Investigator & None \\
Reported At & \(05 / 07 / 15\) 23:06 \\
Incident Date & \(05 / 07 / 1523: 06\) \\
Incident Code & \(\mathrm{V}: 10-44\) \\
Location & MM 290 US 212 \\
Zone & Faulk \\
Beat & HP Huron \\
& \\
Disposition & Closed - Charges Filed \\
Disposition Date/Time 11/20/20 13:03 \\
Review for Gang Activity Not Applicable \\
\hline
\end{tabular}

Cited
RAVNSBORG, JASON RICHARD


32-25-1.1 - Speeding on State Highway (16-20 MPH Over Limit)(M2)

\section*{Vehicles}

G00027 SD - (Citation)
2011 RED FORD TAURUS LIMITED

\section*{Primary Narrative By Patrick Bumann, 11/20/20 11:25 CASE REPORT}

On May 7th, 2015, I was on routine patrol in Faulk County. At approximately 2306 hours I was traveling westbound on United States Highway 212, near mile post 290. I observed a vehicle traveling westbound on United States Highway 212, behind me, that appeared to be traveling above the posted speed limit of 65 MPH . I activated my rear RADAR antenna and received a reading of 88 MPH with a strong and clear tone. I pulled over to let the vehicle pass me and I initiated a traffic stop with it. The vehicle was a red Ford Taurus bearing South Dakota license plates G00027.

I exited my patrol car and made contact with the driver, who was identified as Jason Richard Ravnsborg. I issued Mr. Ravnsborg a citation for speeding but reduced the fine bracket from 21 MPH to 25 MPH over the limit ( 88 MPH ) to 16 MPH to \(20 \mathrm{MPH}(85 \mathrm{MPH})\). Mr. Ravnsborg was released from the scene.

This report was written on November 20th, 2020. Due to the length of time between my contact with Mr. Ravnsborg and the time of this report I do not recall any conversation, or any other information, pursuant to this traffic stop. This interaction with Mr. Ravnsborg was video and audio recorded on my dash camera, however, there is currently no dashcamera video or audio of this contact due to being past the retention time of traffic stops.

This ended my involvement in this incident.

05/07/15 23:06:54 10-28 - Vehicle Registration Query
\begin{tabular}{ll} 
Requested By & Ryckman, Lisa \\
CFS \# & HP15052031
\end{tabular}

Request Field Values
License Plate \# (LIC) GOO27
Type (LIT) PC
Year (LIY) 2015
State (LIS) SD
State 2 (LIS)
State 3 (LIS)
State 4 (LIS)
State 5 (LIS)
Return Information
05/07/2015 23:02:56 ACCEPTED INPUT MSG \#00084
NCIC
SDB
DMVWS
MRI 0319887 IN SDB 07508 05/07/2015 23:02:56 OUT 05/07/2015 23:02:56 PSH2 00252
SD002075Y
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY LIC/GOO27
MRI 0319888 IN NCIC 08270 05/07/2015 23:02:56 OUT 05/07/2015 23:02:56 PSH2 00253
1L016C13BMRI0319886
SD002075Y
NO RECORD LIC/G0027 LIS/SD
MRI 0319889 IN DMVWS 04144 05/07/2015 23:02:56 OUT 05/07/2015 23:02:56 PSH2 00254
RR.SDLIC0000.SD002075YTXT
LIC/GOO27.LIY/2015.LIT/PC.
NOT ON FILE
*** END OF DATA ***
05/07/15 23:08:50 10-59 - Driver License Query
\begin{tabular}{ll} 
Requested By & 72 - Bumann, Patrick \\
CFS \# & HP15052031
\end{tabular}
Request Field Values
\begin{tabular}{ll} 
State & SD \\
Last Name & RAVNSBORG \\
First Name & JASON \\
Middle Name / Initial & \\
\begin{tabular}{ll} 
Name Suffix \\
Date of Birth (DOB) \\
Sex (SEX)
\end{tabular} & \\
\end{tabular}

\section*{Return Information}

MRI 0319926 IN SDB 07516 05/07/2015 23:04:52 OUT 05/07/2015 23:04:52 MHP72 00085 SD0029872
*** RESPONSE FROM SOUTH DAKOTA DATABASE *** NO MATCH ON INQUIRY NAM/RAVNSBORG,JASON.DOB
MRI 0319927 IN NCIC 08278 05/07/2015 23:04:52 OUT 05/07/2015 23:04:52 MHP72 00086 1L016D174MRI0319925
SD0029872
NO NCIC WANT NAM/RAVNSBORG,JASON DOB/ SEX/M
***MESSAGE KEY QW SEARCHES WANTED PERSON FILE FELONY RECORDS REGARDLESS OF EXTRADITION AND MISDEMEANOR RECORDS INDICATING POSSIBLE INTERSTATE
EXTRADITION FROM THE INQUIRING AGENCY S LOCATION. ALL OTHER NCIC PERSONS
FILES ARE SEARCHED WITHOUT LIMITATIONS.
MRI 0319928 IN DLP 04352 05/07/2015 23:04:53 OUT 05/07/2015 23:04:53 MHP72 00087
DR.SDDLP0000.SD0029872TXT
NAM/RAVNSBORG,JA*.DOB .SEX/M
RAVNSBORG,JASON,RICHARD


RESTRICTIONS :

PERMIT CLASS : 1 - CAR/TRUCK
PERMIT TYPE : T - TEMPORARY DRIVING PERMIT
PERMIT STATUS: 30 - ACTIVE/ELIGIBLE
PERMIT DATES : ISS/2015-01-30. EXP/2016-01-30.
*** END OFDATA ***

05/07/15 23:09:10 10-28 - Vehicle Registration Query
\begin{tabular}{ll} 
Requested By & 72 - Bumann, Patrick \\
CFS \# & HP15052031
\end{tabular}

Request Field Values
License Plate \# (LIC) G00027
Type (LIT) PC
Year (LIY) 2015
State (LIS) SD
State 2 (LIS)
State 3 (LIS)
State 4 (LIS)
State 5 (LIS)
Return Information
MRI 0319932 IN SDB 07517 05/07/2015 23:05:12 OUT 05/07/2015 23:05:12 MHP72 00088 SD0029872
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY LIC/G00027
MRI 0319933 IN NCIC 08279 05/07/2015 23:05:12 OUT 05/07/2015 23:05:12 MHP72 00089 1L016C174MRI0319931
SD0029872
NO RECORD LIC/G00027 LIS/SD
MRI 0319934 IN DMVWS 04149 05/07/2015 23:05:12 OUT 05/07/2015 23:05:12 MHP72 00090 RR.SDLIC0000.SD0029872TXT
LIC/G00027.LIY/2015.LIT/PC.
LIC/G00027. LIY/2014. LIC-EXP/20150831. LIT/BRONZE STAR.
VIN/1FAHP2FW3BG149248. VYR/2011. VMA/FORD.
VMO/TAURUS LIMITED. VST/4D. VCO/RED.
WGT/3854. FUEL/GASOLINE. TONS/0.
TNR/130070847. COUNTY/7. ISSU/20130211.
NAM/JASON RAVNSBORG
ADR \(\longrightarrow\)
*** END OF DATA ***
\begin{tabular}{|ll|}
\hline Status & Approved \\
Report Type & Case Report \\
Primary Officer & Andrew Buns \\
Investigator & None \\
Reported At & \(11 / 07 / 1914: 12\) \\
Incident Date & \(11 / 07 / 1914: 12\) \\
Incident Code & V : 10-44 \\
Location & MM 8 US 81, SD \\
Zone & Yankton \\
Beat & HP Vermillion \\
& \\
Disposition & Information Only \\
Disposition Date/Time & 11/23/20 22:06 \\
Review for Gang Activity Not Applicable \\
\hline
\end{tabular}

\section*{Vehicles}

36L401 SD - (Traffic Stop)

\section*{Primary Narrative By Andrew Buns, 11/23/20 19:37}

On 11/7/2019, at approximately 1412 hours, I was working stationary patrol, when I observed a silver SUV, bearing SD license plate number 36L401, traveling northbound on US 81, at approximately mile marker 8 . I activated my radar and observed the vehicle traveling faster than the posted speed limit. I followed the vehicle northbound and initiated a traffic stop.

I approached the vehicle and made contact with the male driver. I explained to the driver that I stopped him for speeding. The driver made a comment about my radar, which led me to ask him if he was a lawyer. The driver identified himself as the South Dakota Attorney General. He advised me he had been working a case in the Yankton area and was leaving. I asked the driver for his drivers license, vehicle registration, and proof of insurance. The driver handed me the documents.

I returned to my patrol vehicle and ran a drivers license status check. The driver was identified as Jason Richard Ravnsborg. His license status was valid. I returned to his vehicle and returned his license, registration, and insurance. I gave Mr. Ravnsborg a verbal warning and ended the traffic stop.

It should be noted I was unable to retrieve my in car video. At this time I do not recall what speed Mr. Ravnsborg was traveling. I also do not recall exact statements Mr. Ravnsbog made. He was polite during the entire stop and understood why I stopped him.

End of report.

Trooper Andrew Buns
SDHP

\section*{11/07/19 14:12:10 10-28 - Vehicle Registration Query}
```

Requested By CSDC - Mohr, Sarah
CFS \# 19-325571

```

Request Field Values
License Plate \# (LIC) 36L401
Type (LIT) PC
Year (LIY) 2019
State (LIS) SD
State 2 (LIS)
State 3 (LIS)
State 4 (LIS)
State 5 (LIS)
Return Information
P83N MRI 81509805 IN FUSE 81509795 11/07/2019 14:12:11 OUT 11/07/2019 14:12:12 P83N 81509795
Request Processed:
MKE: QV => DESTS: NCIC
MKE: QWSD => DESTS: SDB
MKE: RQ => DESTS: DMV
P83N MRI 81509821 IN FUSE 81509795 11/07/2019 14:12:11 OUT 11/07/2019 14:12:12 P83N 81509795
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY OF LIC/36L401
P83N MRI 81509824 IN NCIC 81509819 11/07/2019 14:12:12 OUT 11/07/2019 14:12:12 P83N 81509795
NCIC Response \# 81509795
1LO100000SD00DHADR0
SD032083N
NO RECORD LIC/36L401 LIS/SD
P83N MRI 81509831 IN MVIF 81509823 11/07/2019 14:12:12 OUT 11/07/2019 14:12:13 P83N 81509795
RR.SDLIC0000.SD032083N,SD032083NTXT
LIC/36L401.LIY/2019.LIT/PC
NOT ON FILE
*** END OF DATA ***

Driver License Query 11/07/19 14:13:17

\section*{11/07/19 14:13:17 10-59 - Driver License Query}
\begin{tabular}{ll} 
Requested By & 50 - Buns, Andrew \\
CFS \# & \(19-325571\)
\end{tabular}

Request Field Values
\begin{tabular}{ll} 
State & SD \\
Last Name & RAVNSBORG \\
First Name & JASON \\
Middle Name / Initial & RICHARD \\
\begin{tabular}{ll} 
Name Suffix \\
Date of Birth (DOB) \\
Sex (SEX)
\end{tabular} & \\
\hline
\end{tabular}

\section*{Return Information}

MHP50 MRI 81510173 IN FUSE 81510170 11/07/2019 14:13:18 OUT 11/07/2019 14:13:18 MHP50 81510170 Request Processed:
```

    MKE: QW => DESTS: NCIC
    MKE: QWSD => DESTS: SDB
    MKE: DQ => DESTS: DL
    MHP50 MRI }81510187\mathrm{ IN NCIC 81510185 11/07/2019 14:13:19 OUT 11/07/2019 14:13:19 MHP50 81510170
NCIC Response \# 81510170
1L0100000SD00DHAGLX
SD0069850
NO NCIC WANT NAM/RAVNSBORG,JASON RICHARD DOB/
SEX/M
***MESSAGE KEY QW SEARCHES WANTED PERSON FILE FELONY RECORDS REGARDLESS OF
EXTRADITION AND MISDEMEANOR RECORDS INDICATING POSSIBLE INTERSTATE
EXTRADITION FROM THE INQUIRING AGENCY S LOCATION. ALL OTHER NCIC PERSONS
FILES ARE SEARCHED WITHOUT LIMITATIONS.
MHP50 MRI 81510192 IN FUSE 81510170 11/07/2019 14:13:18 OUT 11/07/2019 14:13:20 MHP50 81510170
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY OF DOB/NAM/RAVNSBORG,JASON RICHARD.SEX/M
MHP50 MRI }81510199\mathrm{ IN DL }81510195\mathrm{ 11/07/2019 14:13:21 OUT 11/07/2019 14:13:21 MHP50 }8151017
DR.SDDLP0000.SD0069850,SD0069850TXT
NAM/RAVNSBORG, JA*.DOB/ .SEX/M
NAME : RAVNSBORG,JASON,RICHARD
ADDRESS
OLN :
DATE OF BIRTH :
PHY DESCRIPTION: SEX/M. HGT/6-02. WGT/225 LBS. EYE/BLU.
LICENSE CLASS : - 1 - Car/Truck
LICENSE TYPE : D - Driver License
LICENSE STATUS : Active/Eligible
LICENSE DATES : ISS/2019-07-10. EXP/2024-04-12.
ORGAN DONOR : NO
PERMIT QUANTITY: 0

```
*** ENDOFDATA ***
\begin{tabular}{|ll|}
\hline Status & Approved \\
Report Type & Case Report \\
Primary Officer & Cody Jansen \\
Investigator & None \\
Reported At & 05/08/17 12:36 \\
Incident Date & \(05 / 08 / 1712: 36\) \\
Incident Code & V: 10-44 \\
Location & MM 407 SD 50 \\
Zone & Clay \\
Beat & HP Vermillion \\
& \\
Disposition & Closed - Charges Filed \\
Disposition Date/Time 11/21/20 10:10 \\
Review for Gang Activity Not Applicable \\
\hline
\end{tabular}

\section*{Cited}


32-25-7.1 - Speeding on Divided Highway (01-05 MPH)

\section*{Vehicles}

G00027 SD - (Citation)
2011 Red Ford TAURUS LIMITED

G00027 SD - (Traffic Stop)

\section*{Primary Narrative By Cody Jansen, 11/21/20 10:12}

On May 8, 2017 at approximately 1236 hours, I was running radar on SD 50 in Clay County. I observed an eastbound vehicle that appeared to be traveling faster than the posted speed limit of 70 mph . I checked the speed of the vehicle and confirmed a speed of 77 mph . I stopped the vehicle near MM 407 on SD 50. I approached the vehicle and explained my stop. The driver produced a SD license identifying him as Jason Ravnsborg DOB 04/12/1976. I explained to Ravnsborg that I would be issuing him a citation for speeding today but would reduce the speeding fine from 77 mph to 75 mph . Ravnsborg did not argue about the citation or ask for any breaks, I chose to give him the break.

Ravnsborg was issued a citation for speeding 75 mph in a 70 mph zone. Ravnsborg was released after signing the citation.

End of Report
Trooper Cody Jansen.

\section*{05/08/17 12:36:59 10-28 - Vehicle Registration Query}
\begin{tabular}{ll} 
Requested By & CSDC - McFarling, Randy \\
CFS \# & \(17-114102\)
\end{tabular}

Request Field Values
License Plate \# (LIC) G00027
Type (LIT) PC
Year (LIY) 2018
State (LIS) SD
State 2 (LIS)
State 3 (LIS)
State 4 (LIS)
State 5 (LIS)
Return Information
05/08/2017 12:39:11 ACCEPTED INPUT MSG \#00018
NCIC
SDB
DMVWS
MRI 0927951 IN NCIC 04065 05/08/2017 12:39:11 OUT 05/08/2017 12:39:12 P83N 00048 1L016C1OQMRI0927950
SD032083N
NO RECORD LIC/G00027 LIS/SD
MRI 0927952 IN SDB 03376 05/08/2017 12:39:11 OUT 05/08/2017 12:39:12 P83N 00049
SD032083N
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY LIC/G00027
MRI 0927953 IN DMVWS 02169 05/08/2017 12:39:12 OUT 05/08/2017 12:39:12 P83N 00050
RR.SDLIC0000.SD032083NTXT
LIC/G00027.LIY/2018.LIT/PC.
LIC/G00027. LIY/2016. LIC-EXP/20170831. LIT/BRONZE STAR.
VIN/1FAHP2FW3BG149248. VYR/2011. VMA/FORD.
VMO/TAURUS LIMITED. VST/4D. VCO/RED.
WGT/3854. FUEL/GASOLINE. TONS/0.
TNR/130070847. COUNTY/7. ISSU/20130211.
NAM/JASON RAVNSBORG
ADRI
*** END OF DATA ***
```

05/08/17 12:38:52 10-28 - Vehicle Registration Query

```
\begin{tabular}{ll} 
Requested By & 125 - Jansen, Cody \\
CFS \# & \(17-114102\)
\end{tabular}

Request Field Values
License Plate \# (LIC) G00027
Type (LIT) PC
Year (LIY) 2018
State (LIS) SD
State 2 (LIS)
State 3 (LIS)
State 4 (LIS)
State 5 (LIS)
Return Information
MRI 0928044 IN NCIC 04083 05/08/2017 12:41:05 OUT 05/08/2017 12:41:05 MHP125 00025
1L016C1E3MRI0928043
SD0639825
NO RECORD LIC/G00027 LIS/SD
MRI 0928045 IN SDB 03385 05/08/2017 12:41:05 OUT 05/08/2017 12:41:05 MHP125 00026 SD0639825
```

*** RESPONSE FROM SOUTH DAKOTA DATABASE ***

```
NO MATCH ON INQUIRY LIC/G00027
MRI 0928046 IN DMVWS 02178 05/08/2017 12:41:05 OUT 05/08/2017 12:41:05 MHP125 00027
RR.SDLIC0000.SD0639825TXT
LIC/G00027.LIY/2018.LIT/PC.

LIC/G00027. LIY/2016. LIC-EXP/20170831. LIT/BRONZE STAR.
VIN/1FAHP2FW3BG149248. VYR/2011. VMA/FORD.
VMO/TAURUS LIMITED. VST/4D. VCO/RED.
WGT/3854. FUEL/GASOLINE. TONS/0.
TNR/130070847. COUNTY/7. ISSU/20130211.
NAM/JASON RAVNSBORG
ADR \(\longrightarrow\).
*** END OFDATA ***
05/08/17 12:39:22 10-59 - Driver License Query
\begin{tabular}{ll} 
Requested By & \(125-\) Jansen, Cody \\
CFS \# & \(17-114102\)
\end{tabular}

Request Field Values
\begin{tabular}{ll} 
State & SD \\
Last Name & RAVNSBORG \\
First Name & JASON \\
Middle Name / Initial & \\
\begin{tabular}{ll} 
Name Suffix \\
Date of Birth (DOB) \\
Sex (SEX)
\end{tabular} & \\
& M
\end{tabular}

\section*{Return Information}

MRI 0928070 IN SDB 03391 05/08/2017 12:41:35 OUT 05/08/2017 12:41:35 MHP125 00028 SD0639825
*** RESPONSE FROM SOUTH DAKOTA DATABASE *** NO MATCH ON INQUIRY NAM/RAVNSBORG,JASON.DOB
MRI 0928071 IN NCIC 04087 05/08/2017 12:41:35 OUT 05/08/2017 12:41:35 MHP125 00029 1L016D1E3MRI0928069
SD0639825
NO NCIC WANT NAM/RAVNSBORG,JASON DOB/ SEX/M
***MESSAGE KEY QW SEARCHES WANTED PERSON FILE FELONY RECORDS REGARDLESS OF EXTRADITION AND MISDEMEANOR RECORDS INDICATING POSSIBLE INTERSTATE
EXTRADITION FROM THE INQUIRING AGENCY S LOCATION. ALL OTHER NCIC PERSONS
FILES ARE SEARCHED WITHOUT LIMITATIONS.
MRI 0928072 IN DLP 02926 05/08/2017 12:41:36 OUT 05/08/2017 12:41:36 MHP125 00030
DR.SDDLP0000.SD0639825TXT
NAM/RAVNSBORG,JA*.DOB .SEX/M
RAVNSBORG,JASON,RICHARD


PHY DESCRIPTION: SEX/M. HGT/6-02. WGT/205 LBS. EYE/BLU.
LICENSE CLASS : 1 - Car/Truck
LICENSE TYPE: D - Driver License
LICENSE STATUS : Active/Eligible
LICENSE DATES : ISS/2016-03-15. EXP/2019-04-12.
ORGAN DONOR : NO

\footnotetext{
*** END OF DATA ***
}


\section*{CITATION INFORMATION}

PETTY OFFENSES: If charged with a petty offense involving the operation and use of a motor vehicle, and you possess or have proof of a valid South Dakota driver's license, you may choose alternative 1, 2,3 below. If unable to meet the license requirement, or if charged with a non-traffic offense, you may choose alternative 2 or 3 below. Upon refusal of the following alternatives, you will be taken immediately to a magistrate for hearing.
1. Promise to Appear. You may sign the complaint as a written promise to appear. Intentional failure to appear is a Class 2 Misdemeanor.
2. Admission and Deposit. You may sign a stipulation admitting allegations in the complaint which, together with the required deposit, will be filed with the clerk of courts.
3. Deposit. You may immediately mail said deposit to the clerk of courts or personally make the deposit, either alternative to be in the presence of the officer. Refer to schedule of petty offenses for amount required for the deposit.

If you chose alternative 2 or 3 and do not appear in court on the date specified, the clerk will enter judgment against you and will forfeit your deposit. You may appear in court after signing an admission and the court may, upon motion, relieve you from the stipulation and effects thereof.

\section*{Mail to: CLAY COUNTY CLERK OF COURTS}

PO BOX 377

\section*{VERMILLION, SD 57069-0377}

If you intend to appear in court to contest this citation, it is recommended that you contact the Clerk of Courts Office listed on the citation before the indicated court date.

\section*{POWER OF ATTORNEY}

I hereby deposit with the Clerk of Courts of Clay
County, South Dakota as a cash appearance bond the sum of \$85.00. If desired to contest this matter, I will appear at the date, time and place for my initial appearance or contact the Clerk of Courts before that date and ask the clerk to reschedule the date for my initial appearance. If I do not appear (or contact the clerk of courts within the time period or if after the court date is set, I fail to appear). I hereby plead guilty to the charge and direct the Clerk to apply the money deposited as bond herewith to the payment of the fine and cost assessed against me.

I have read this document and have been given a copy.
B333456-HP

Signed
Defendant Date

Save Time. Pay Online. Visit HTTPS://UJSPORTAL.SD.GOV/PORTAL
```

Status
Report Type
Primary Officer
Investigator
Reported At
Incident Date
Incident Code
Location
Zone
Beat
Approved
Case Report
Nathan Moore
None
07/23/20 22:01
07/23/20 22:01
V : 10-44
SIOUX AVE / POPLAR AVE, HUGHES, SD }5750
Hughes
HP Pierre
Disposition Closed - No Further Action Required
Disposition Date/Time 11/21/20 14:35
Review for Gang Activity None

```

Offender


Vehicles
36L401 SD - (Warning)
Silver Chevrolet Suburban

\section*{Primary Narrative By Nathan Moore, 11/21/20 14:28 RAVNSBORG - 10-44}

On July 23, 2020 at approximately 2205 hours, I was traveling westbound on Sioux Ave near Dakota Ave when a silver SUV bearing South Dakota License Plate 36L401 while on the curve of the road drove over the lane line into my lane. I had to hit my brakes and swerve to avoid being struck by the SUV. I activated my emergency lights and performed a traffic stop on the vehicle on Sioux Ave near Poplar Ave.

I immidiately recognized the driver and he was identified by his South Dakota Driver s license as Jason Ravnsborg. Mr. Ravnsborg stated that he didn t see me and wasn t aware he almost hit me. When asked for his Driver s license, Registration and proof of insurance, Mr. Ranvsborg informed me that it wasn this vehicle and was his state issued car.

I issued Mr. Ravnsborg a written warning for lane driving and released him from the scene. I informed Sergeant Austin Schmitz of my encounter with Mr. Ravnsborg and the outcome.

\footnotetext{
Trooper Nathan Moore
South Dakota Highway Patrol
}
\begin{tabular}{ll} 
Requested By & CSDC - Hattum, Shelby \\
CFS \# & \(20-180232\)
\end{tabular}

Request Field Values
License Plate \# (LIC) 36L401
Type (LIT) PC
Year (LIY) 2020
State (LIS) SD
State 2 (LIS)
State 3 (LIS)
State 4 (LIS)
State 5 (LIS)

\section*{Return Information}

P83N MRI 182661619 IN FUSE 182661586 07/23/2020 22:01:27 OUT 07/23/2020 22:01:28 P83N 182661586 *** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY OF LIC/36L401
P83N MRI 182661633 IN MVIF 182661623 07/23/2020 22:01:28 OUT 07/23/2020 22:01:28 P83N 182661586
RR.SDLIC0000.SD032083N,SD032083NTXT
LIC/36L401.LIY/2020.LIT/PC
NOT ON FILE
*** END OF DATA ***
P83N MRI 182661597 IN FUSE 182661586 07/23/2020 22:01:27 OUT 07/23/2020 22:01:28 P83N 182661586 Request Processed:

MKE: QV => DESTS: NCIC
MKE: QWSD => DESTS: SDB
MKE: RQ => DESTS: DMV
P83N MRI 182661637 IN NCIC 182661625 07/23/2020 22:01:28 OUT 07/23/2020 22:01:29 P83N 182661586
NCIC Response \# 182661586
1L0100000SD00U7IPZQ
SD032083N
NO RECORD LIC/36L401 LIS/SD

Driver License Query 07/23/20 22:02:56

\section*{07/23/20 22:02:56 10-59 - Driver License Query}
\begin{tabular}{ll}
\begin{tabular}{l} 
Requested By \\
CFS \#
\end{tabular} & \begin{tabular}{l} 
136 - Moore, Nathan \\
\(20-180232\)
\end{tabular}
\end{tabular}

Request Field Values
\begin{tabular}{ll} 
State & SD \\
Last Name & RAVNSBORG \\
First Name & JASON \\
Middle Name / Initial & RICHARD \\
\begin{tabular}{ll} 
Name Suffix \\
Date of Birth (DOB) \\
Sex (SEX)
\end{tabular} & \\
\hline
\end{tabular}

\section*{Return Information}

MHP136 MRI 182662178 IN FUSE 182662175 07/23/2020 22:02:56 OUT 07/23/2020 22:02:57 MHP136 182662175 Request Processed:
```

    MKE: QW => DESTS: NCIC
    MKE: QWSD => DESTS: SDB
    MKE: DQ => DESTS: DL
    MHP136 MRI 182662197 IN NCIC 182662192 07/23/2020 22:02:57 OUT 07/23/2020 22:02:58 MHP136 182662175
NCIC Response \# 182662175
1L0100000SD00U7IUGW
SD0539836

```

```

***MESSAGE KEY QW SEARCHES WANTED PERSON FILE FELONY RECORDS REGARDLESS OF
EXTRADITION AND MISDEMEANOR RECORDS INDICATING POSSIBLE INTERSTATE
EXTRADITION FROM THE INQUIRING AGENCY S LOCATION. ALL OTHER NCIC PERSONS
FILES ARE SEARCHED WITHOUT LIMITATIONS.
MHP136 MRI 182662198 IN FUSE 182662175 07/23/2020 22:02:56 OUT 07/23/2020 22:02:58 MHP136 182662175
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY OF DOB/ NAM/RAVNSBORG,JASON RICHARD.SEX/M
MHP136 MRI 182662241 IN DL 182662233 07/23/2020 22:03:00 OUT 07/23/2020 22:03:00 MHP136 182662175
DR.SDDLP0000.SD0539836,SD0539836TXT
NAM/RAVNSBORG, JA*.DOB/ SEX/M
NAME : RAVNSBORG,JASON,RICHARD
ADDRESS
OLN :
DATE OF BIRTH :
PHY DESCRIPTION: SEX/M. HGT/6-02. WGT/225 LBS. EYE/BLU.
LICENSE CLASS : - 1 - Car/Truck
LICENSE TYPE : D - Driver License
LICENSE STATUS : Active/Eligible
LICENSE DATES : ISS/2019-07-10. EXP/2024-04-12.
ORGAN DONOR : NO
PERMIT QUANTITY: 0

```
*** ENDOFDATA ***

\begin{tabular}{|ll}
\hline Status & Approved \\
Report Type & Case Report \\
Primary Officer & Sean Needham \\
Investigator & None \\
Reported At & \(06 / 20 / 1819: 17\) \\
Incident Date & \(06 / 20 / 1819: 17\) \\
Incident Code & \(\mathrm{V}: 10-44\) \\
Location & MM 231 US 14, SD 57501 \\
Zone & Hughes \\
Beat & HP Pierre \\
& \\
Disposition & Closed - Resolved \\
Disposition Date/Time \(11 / 20 / 20\) 14:13 \\
Review for Gang Activity None \\
\hline
\end{tabular}

Offender


32-25-7 - Speeding Other Roadways (06-10 MPH Over Limit)(M2)

\section*{Vehicles}

G00027 SD - (Warning)
2011 Red Ford TAURUS LIMITED

\section*{Primary Narrative By Sean Needham, 11/20/20 14:48}

\section*{Ravnsborg Speeding Warning Case Reprt}

On June \(20^{\text {th }}, 2018\) at approximately 1917 hours, I was on patrol in Hughes County. I initiated a traffic stop with a red Ford Taurus bearing South Dakota license plate G00027 at MM 231 US 14 for speeding 06-10mph over the limit.

The driver was identified by his South Dakota driver license as Jason Richard Ravnsborg (SD) \(\quad\). He was issued a warning for the speeding offense and departed the scene at approximately 1922 hours.
(At the time this report was prepared on November \(20^{\text {th }}, 2020\), their was no longer any video or audio available from this traffic stop)

Trooper Needham, HP 111
South Dakota Highway Patrol

Vehicle Registration Query 06/20/18 19:17:16

06/20/18 19:17:16 10-28 - Vehicle Registration Query
\begin{tabular}{ll} 
Requested By & CSDC - Rancy, Niccole \\
CFS \# & \(18-177264\)
\end{tabular}

Request Field Values
License Plate \# (LIC) G00027
Type (LIT) PC
Year (LIY) 2018
State (LIS) SD
State 2 (LIS)
State 3 (LIS)
State 4 (LIS)
State 5 (LIS)
Return Information
06/20/2018 19:23:28 ACCEPTED INPUT MSG \#00027
NCIC
SDB
DMVWS
MRI 0334435 IN SDB 06616 06/20/2018 19:23:28 OUT 06/20/2018 19:23:28 P83N 00091
SD032083N
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY LIC/G00027
MRI 0334436 IN NCIC 07836 06/20/2018 19:23:28 OUT 06/20/2018 19:23:28 P83N 00092
1L016C1OQMRI0334434
SD032083N
NO RECORD LIC/G00027 LIS/SD
MRI 0334437 IN DMVWS 04197 06/20/2018 19:23:28 OUT 06/20/2018 19:23:28 P83N 00093
RR.SDLIC0000.SD032083NTXT
LIC/G00027.LIY/2018.LIT/PC.

LIC/G00027. LIY/2017. LIC-EXP/20180831. LIT/BRONZE STAR.
VIN/1FAHP2FW3BG149248. VYR/2011. VMA/FORD.
VMO/TAURUS LIMITED. VST/4D. VCO/RED.
WGT/3854. FUEL/GASOLINE. TONS/0.
TNR/130070847. COUNTY/7. ISSU/20130211.
NAM/JASON RAVNSBORG
ADR/
*** END OFDATA ***

\section*{06/20/18 19:18:48 10-59 - Driver License Query}
\begin{tabular}{ll} 
Requested By & 111 - Needham, Sean \\
CFS \# & \(18-177264\)
\end{tabular}

Request Field Values
\begin{tabular}{|c|c|}
\hline State & SD \\
\hline Last Name & RAVNSBORG \\
\hline First Name & JASON \\
\hline Middle Name / Initial & RICHARD \\
\hline Name Suffix & \\
\hline Date of Birth (DOB) & \\
\hline Sex (SEX) & M \\
\hline
\end{tabular}

\section*{Return Information}

MRI 0334528 IN NCIC 07858 06/20/2018 19:25:00 OUT 06/20/2018 19:25:00 MHP111 00001 1L016D1M1MRI0334527
SD0519811
NO NCIC WANT NAM/RAVNSBORG,JASON RICHARD DOB
SEX/M
***MESSAGE KEY QW SEARCHES WANTED PERSON FILE FELONY RECORDS REGARDLESS OF EXTRADITION AND MISDEMEANOR RECORDS INDICATING POSSIBLE INTERSTATE EXTRADITION FROM THE INQUIRING AGENCY S LOCATION. ALL OTHER NCIC PERSONS FILES ARE SEARCHED WITHOUT LIMITATIONS.
MRI 0334529 IN SDB 06636 06/20/2018 19:25:00 OUT 06/20/2018 19:25:00 MHP111 00002
SD0519811
.
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY NAM/RAVNSBORG,JASON RICHARD.DOB/
MRI 0334530 IN DLP 06088 06/20/2018 19:25:02 OUT 06/20/2018 19:25:02 MHP111 00003
DR.SDDLP0000.SD0519811TXT
NAM/RAVNSBORG,JA*.DOB .SEX/M
RAVNSBORG,JASON,RICHARD


PHY DESCRIPTION: SEX/M. HGT/6-02. WGT/205 LBS. EYE/BLU.
LICENSE CLASS : 1 - Car/Truck
LICENSE TYPE: D - Driver License
LICENSE STATUS : Active/Eligible
LICENSE DATES : ISS/2016-03-15. EXP/2019-04-12.
ORGAN DONOR : NO

\footnotetext{
*** END OF DATA ***
}

06/20/18 19:19:27 10-28 - Vehicle Registration Query
\begin{tabular}{ll} 
Requested By & 111 - Needham, Sean \\
CFS \# & \(18-177264\)
\end{tabular}

Request Field Values
License Plate \# (LIC) G00027
Type (LIT) PC
Year (LIY) 2018
State (LIS) SD
State 2 (LIS)
State 3 (LIS)
State 4 (LIS)
State 5 (LIS)
Return Information
MRI 0334567 IN NCIC 07868 06/20/2018 19:25:39 OUT 06/20/2018 19:25:39 MHP111 00004 1L016C1M1MRI0334566
SD0519811
NO RECORD LIC/G00027 LIS/SD
MRI 0334568 IN SDB 06645 06/20/2018 19:25:39 OUT 06/20/2018 19:25:39 MHP111 00005 SD0519811
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY LIC/G00027
MRI 0334569 IN DMVWS 04212 06/20/2018 19:25:39 OUT 06/20/2018 19:25:39 MHP111 00006
RR.SDLIC0000.SD0519811TXT
LIC/G00027.LIY/2018.LIT/PC.
LIC/G00027. LIY/2017. LIC-EXP/20180831. LIT/BRONZE STAR.
VIN/1FAHP2FW3BG149248. VYR/2011. VMA/FORD.
VMO/TAURUS LIMITED. VST/4D. VCO/RED.
WGT/3854. FUEL/GASOLINE. TONS/0.
TNR/130070847. COUNTY/7. ISSU/20130211.
NAM/JASON RAVNSBORG
ADR \(\longrightarrow\)
*** END OF DATA ***


\section*{WARNING INFORMATION}

The South Dakota Highway Patrol would I ke to request your cooperation and support in keeping our highways safe. Please drive carefully.

\section*{MOVE OVER LAW - SDCL 32-31-6.1}

Move over to the lane farthest away when approaching any vehicle on the shoulder of two lane roads or highways that is using amber or yellow lights.

Slow down to 20 mph below the posted speed limit when approaching any vehicle on the shoulder of two lane roads or highways that is using amber or yellow lights.

BUCKLE UP!

\section*{EVERY TRIP.}

\section*{EVERY TIME.}

\section*{This Traffic Violation Warning Notice is not a traffic summons.}

This document serves as an official notice that while operating the listed vehicle, you were observed committing violation of South Dakota State Vehicle \& Traffic Law. By issuing this warning, the South Dakota Highway Patrol hopes to remind you to always operate your vehicle in a safe and prudent manner.

```

Status
Report Type
Primary Officer
Investigator
Reported At 04/27/19 00:40
Incident Date 04/27/19 00:40
Incident Code V :10-44
Location
Zone
Beat HP Aberdeen
Approved
Case Report
Jordan Staab
None
MM 264 US 12
Edmunds
Disposition Closed - No Further Action Required
Disposition Date/Time 11/20/20 12:18
Review for Gang Activity None

```

\section*{Vehicles}

36L401 SD - (Traffic Stop)

\section*{Primary Narrative By Jordan Staab, 11/20/20 12:17}

On April \(27^{\text {th }}\), 2019 at approximately 0040 hours, I was doing stationary patrol in Ipswich, South Dakota. I observed a vehicle driving around 40 MPH in a 30 MPH zone. I pulled out and caught up to the vehicle. I activated my emergency lights to initiate a traffic stop. As I was walking up to the vehicle, I observed stuff in the vehicle that would be found in a patrol car. I told the driver the reason for the stop was for speed.

The driver handed me his South Dakota Driver's license. The driver was identified as Jason Richard RavnsBorg (DOB: ). Jason advised me that he was the Attorney General. I believe he stated he was on his way to Aberdeen for something work related. I don't remember exactly what it was.

I advised Jason to slow it down and that I was doing a verbal warning.
End of report
Trooper Jordan Staab
South Dakota Highway Patrol
Vehicle Registration Query 04/27/19 00:40:20_Printed on December 2, 2020

\section*{04/27/19 00:40:20 10-28 - Vehicle Registration Query}
\begin{tabular}{ll} 
Requested By & SRC - Klich, Sarah \\
CFS \# & \(19-107595\)
\end{tabular}

Request Field Values
License Plate \# (LIC) 36L401
Type (LIT) PC
Year (LIY) 2019
State (LIS) SD
State 2 (LIS)
State 3 (LIS)
State 4 (LIS)
State 5 (LIS)
Return Information
04/27/2019 00:48:57 ACCEPTED INPUT MSG \#00015
NCIC
SDB
DMVWS
MRI 0020598 IN SDB 00342 04/27/2019 00:48:57 OUT 04/27/2019 00:48:57 H15N 00033
SD002015N
*** RESPONSE FROM SOUTH DAKOTA DATABASE ***
NO MATCH ON INQUIRY LIC/36L401
MRI 0020599 IN NCIC 00372 04/27/2019 00:48:57 OUT 04/27/2019 00:48:57 H15N 00034
1L016C2BNMRI0020597
SD002015N
NO RECORD LIC/36L401 LIS/SD
MRI 0020600 IN DMVWS 00183 04/27/2019 00:48:57 OUT 04/27/2019 00:48:58 H15N 00035
RR.SDLIC0000.SD002015NTXT
LIC/36L401.LIY/2019.LIT/PC.
NOT ON FILE
*** END OF DATA ***
\begin{tabular}{ll} 
From: & Letcher, Brad \\
Sent: & Wednesday, September 16, 2020 11:06 AM \\
To: & Snyder, Sgt. Shane (HP017) \\
Subject: & FW: [EXT] Locate Message 2025298099
\end{tabular}

811 locates for sign posts.
-----Original Message-----
From: Newell, Tom <Tom.Newell@state.sd.us>
Sent: Wednesday, September 9, 2020 7:59 AM
To: Flint, Roger <Roger.Flint@state.sd.us>; Hieb, Michael <Michael.Hieb@state.sd.us>; Letcher, Brad <Brad.Letcher@state.sd.us>
Subject: FW: [EXT] Locate Message 2025298099
-----Original Message-----
From: locates@sd811.com <locates@sd811.com>
Sent: Tuesday, September 8, 2020 5:22 PM
To: Newell, Tom <Tom.Newell@state.sd.us>
Subject: [EXT] Locate Message 2025298099

South Dakota 811 Locate Request For SDS
\begin{tabular}{lclc} 
Ticket Number: 2025298099 & \multicolumn{2}{c}{ Old Ticket: } \\
Source: & Portal Ticket & Date: & \(09 / 08 / 2017: 21\) \\
Type: & Normal & Update By: & \(09 / 29 / 2017: 30\) \\
Sequence: & 30 & Expires On: & \(10 / 01 / 2017: 30\)
\end{tabular}

Company Information

\begin{tabular}{lccc} 
Explosives: & No & Tunnel/Bore: \(\quad\) No \\
R.O.W.: & No & & Duration: 8 hours \\
Meet Requested: & No & Meet Date/Time: \\
TRSQ: & Depth: \(\quad 4\) feet
\end{tabular}

Driving Directions

White stake in north ditch roughly 15 feet from shoulder of road, located approximately 0.3 miles west of intersection.

Remarks

Work Date: 9/10/2020 5:00:00 PM Please locate 6 foot radius.

Members
\begin{tabular}{|c|c|c|c|}
\hline Code & Name & Added M & ually \\
\hline HIC & City Of Highmore & No & \\
\hline MDR & Mid-Dakota Rural W & tem Inc. & No \\
\hline MC4 & Midcontinent Comm & & No \\
\hline SDS & South Dakota Departm & Transpor & \\
\hline VEN & Venture Communicat & operative & N \\
\hline P02 & Northwestern Energy & No & \\
\hline
\end{tabular}

Work Location Bounding Box
-
Latitude: 44.527389 Longitude: -99.448284
Second Latitude: 44.527955 Second Longitude: -99.447125

70:01:02:17. Charles Mix County. The following are the maximum speeds on certain highways in Charles Mix County:
(1) State Trunk Highway 50 beginning 0.5 mile northwest of the junction of State Trunk Highway 50 and-State Trunk Highway 46 in-Wagner, then southeast for 0.5 mile, 40 miles per hour, then east on-State Trunk Highway 46 beginning \(1.20 \underline{1.2}\) miles west of the junetion of State Trunk Highway 46 and State Trunk Highway 50-Walnut Avenue in Wagner, then east 0.69 mile, 55 miles per hour; then east 0.25 mile, 40 miles per hour; then east 1.62 miles, 30 miles per hour; the east 0.25 mile, 45 miles per hour;
(2) State Trunk Highway 50 beginning one-half mile east of the intersection with Charles Mix County Highway GL29BM and ending at the intersection, 35 miles per hour;
(3) U.S. Highway 18 and U.S. Highway 281 from the west Charles Mix County line, then east for 1.75 miles past Pickstown to the junction with State Trunk Highway 46, 45 miles per hour;
(4) State Trunk Highway 44 through Platte beginning 0.6 mile west of the junction with State Trunk Highway 45, then east for 0.25 mile, 45 miles per hour; then east for 0.95 mile, 30 miles per hour; then east for 0.43 mile, 45 miles per hour;
(5) State Trunk Highway 45 through Platte beginning at the junction of State Trunk Highway 44 and State Trunk Highway 45, then north for 0.32 mile, 20 miles per hour; then north for 0.46 mile, 30 miles per hour; then north for 0.55 mile, 45 miles per hour;
(6) U.S. United States Army Corps of Engineers roads located in the Fort Randall Dam Tailrace Area, beginning at U.S. 18-281 in the northwest quarter of section 8, township 95 north, range 65 west of the fifth principal meridian, extending southerly throughout the entire area, 35 miles per hour, as posted;
(7) U.S. United States Army Corps of Engineers roads located in the Fort Randall Dam Spillway Area, beginning at U.S. 18-281 in the northwest quarter of section 9, township 95 north, range 65 west of the fifth principal meridian, extending southerly to and throughout the entire area, 35 or 25 miles per hour, as posted;
(8) U.S. United States Army Corps of Engineers roads located in the Fort Randall Dam North Point Area, bounded on the south by Lake Francis Case, on the east by U.S. 18-281, on the north and west by the U.S. government boundary, extending to and throughout the entire area, 15, 20, \(25,30,35\), and 45 miles per hour, as posted;
(9) U.S. United States Army Corps of Engineers roads located in the Fort Randall Dam White Swan Area, beginning approximately 3,290 feet south of the northwest corner of section 33, township 96 north, range 66 west of the fifth principal meridian, extending southerly toward Lake Francis Case, 25 miles per hour;
(10) U.S. United States Army Corps of Engineers roads located in the Fort Randall Dam Pease Creek Area, beginning at the west line of section 11, township 96 north, range 67 west of the fifth principal meridian, extending westerly and southerly throughout the entire area, 15 and 20 miles per hour, as posted;
(11) U.S. United States Army Corps of Engineers roads located in the Fort Randall Dam North Wheeler Area, beginning at the north line of section 1, township 96 north, range 68 west of the fifth principal meridian, extending southerly throughout the entire area, 25 miles per hour;
(12) U.S. United States Army Corps of Engineers roads located in the Fort Randall Dam Turgeon Wells Area, beginning at the U.S. government boundary line in the northwest quarter of section 25 , township 100 north, range 71 west of the fifth principal meridian, extending southerly toward Lake Francis Case, 25 miles per hour;
(13) U.S. United States Army Corps of Engineers roads within the U.S. United States government townsite of Pickstown, located in sections 4 and 9, township 95 north, range 65 west of the fifth principal meridian, 25 miles per hour;
(14) U.S. Highway 18 and U.S. Highway 281, beginning 0.75 mile southwesterly of Third Avenue in Lake Andes, then north and easterly for 0.5 mile, 50 miles per hour; then easterly for 0.75 mile, 40 miles per hour; then east for 0.4 mile, 50 miles per hour;
(15) State Trunk Highway 50, beginning 0.45 mile west of Third Avenue in Lake Andes, then east 0.2 mile to Pickstown Avenue, 50 miles per hour; then for 0.35 mile through Lake Andes to the intersection of U.S. Highway 18 and U.S. Highway 281, 35 miles per hour;
(16) Pickstown Avenue in Lake Andes from State Trunk Highway 50 south 0.43 mile to U.S. Highway 18 and U.S. Highway 281, 50 miles per hour;
(17) State Trunk Highway 1804 beginning at milepost 86.01 , then north 3.79 miles to the end of State Trunk Highway 1804 at the intersection with State Trunk Highway 50, 55 miles per hour;
(18) State Trunk Highway 1804 beginning at the resume of State Trunk Highway 1804 at milepost 112.13, then north 8.04 miles to the end of State Trunk Highway 1804 at the intersection with State Trunk Highway 44, 55 miles per hour;
(19) State Trunk Highway 46, beginning at the intersection with U.S. Highway 18 at Pickstown, then east 0.23 mile, 45 miles per hour.

Source: SL 1975, ch 16, § 1; 3 SDR 10, effective August 11, 1976; 7 SDR 25, effective September 22, 1980; 8 SDR 45, effective October 28, 1981; 8 SDR 154, effective May 26, 1982; 10 SDR 7, effective July 31, 1983; 13 SDR 179, effective June 1, 1987; 13 SDR 129, 13 SDR 134, effective July 1, 1987; 14 SDR 85, effective December 23, 1987; 18 SDR 134, effective February

24, 1992; 22 SDR 165, effective June 2, 1996; 28 SDR 24, effective August 29, 2001; 28 SDR 129, effective March 24, 2002; 30 SDR 22, effective August 25, 2003; 34 SDR 135, effective November 19, 2007; 44 SDR 184, effective June 25, 2018.

General Authority: SDCL 32-25-7.
Law Implemented: SDCL 32-25-7.
70:01:02:21. Custer County. The following are the maximum speeds on certain highways in Custer County:
(1) State Trunk Highway 36 beginning at the junction of U.S. Highway 16A near the east gate of Custer State Park, then northeasterly for 0.7 mile, 35 miles per hour; then northeasterly for 8.51 miles to the State Trunk Highway 79 junction, 50 miles per hour;
(2) U.S. Highway 16 beginning 1.08 miles west of the junction with U.S. Highway 385 in the city of Custer, then east for 0.3 mile, 45 miles per hour; then east for 0.78 mile to the junction with U.S. Highway 385, 35 miles per hour;
(3) U.S. Highway 16A beginning at the junction with U.S. Highway 16-385 in Custer, then easterly for 0.37 mile, 25 miles per hour; then easterly for \(0.25 \mathrm{mile}, 35\) miles per hour; then easterly for 0.49 mile, 45 miles per hour; then easterly for 2.8 miles to the west border of Custer State Park, 55 miles per hour;
(4) U.S. Highway 16 A commencing at the Pennington-Custer county line, then southeasterly along a circuitous route in Custer County to a point 2.9 miles northwest of the north boundary of Custer State Park, 25 miles per hour; then southeasterly for 2.9 miles to the north boundary of Custer State Park, 35 miles per hour;
(5) U.S. Highway 16A and State Trunk Highway 87 within the boundary of Custer State Park, 35 miles per hour;
(6) State Trunk Highway 89 beginning at the junction with State Highway 87 near Sylvan Lake, then south 3.8 miles, 35 miles per hour, then south to the junction with U.S. Highway 16A near Custer, 45 miles per hour;
(7) U.S. Highway 385 within the boundaries of Wind Cave National Park, 45 miles per hour;
(8) State Trunk Highway 40 beginning at the north junction of State Trunk Highway 79 at the west edge of Hermosa, then east for 0.7 mile, 35 miles per hour; then east for 0.2 mile, 50 miles per hour;
(9) State Trunk Highway 87 beginning at the north boundary line of Custer County to the west boundary of Custer State Park, 45 miles per hour;
(10) U.S. Highway 385 and State Trunk Highway 89 beginning at the junction with U.S. Highway 16 in Custer, then south for 0.2 mile, 35 miles per hour, then south for 0.23 mile, 45 miles per hour;
(11) U.S. Highway 385 beginning 0.3 mile north of the junction with State Trunk Highway 89 by Pringle, then south and east 6.37 miles, 45 miles per hour;
(12) U.S. Highway 16 and U.S. Highway 385 beginning at the junction of U.S. Highway 16 and 385 in the west part of the city of Custer, then easterly to the intersection of Fifth Street, 25 miles per hour; then northerly for 0.5 mile, 25 miles per hour; then northerly for 0.5 mile, 35 miles per hour; then north for 0.2 mile, 45 miles per hour; then northerly for 5.91 miles to the Pennington County line, 60 miles per hour;
(13) State Trunk Highway 40 beginning at the Pennington-Custer county line, then southeast for 6.48 miles, 55 miles per hour;
(14) U.S. Highway 16 beginning \(11.5 \underline{11.0}\) miles east of the South Dakota-Wyoming border, then easterly for 3.5 miles \(\underline{0.5 \text { mile, } 35 \underline{45} \text { miles per hour, then easterly for } 1.5 \text { miles, } 35 \text { miles per }}\) hour, then easterly for 2.1 miles, 45 miles per hour;
(15) State Trunk Highway 79 beginning at the Fall River County line, then north to a point 0.50 mile south of the junction with State Trunk Highway 36, 70 miles per hour for those segments of highway which are four lane divided sections; then north for 1.25 miles, 65 miles per hour; then north for 0.90 mile through Hermosa, 55 miles per hour; then north to the Pennington County line, 70 miles per hour;
(16) State Trunk Highway 87 within the boundaries of the Wind Cave National Park, 35 miles per hour.

Source: SL 1975, ch 16, § 1; 7 SDR 100, effective April 27, 1981; 11 SDR 22, effective August 12, 1984; 13 SDR 52, effective November 6, 1986; 13 SDR 129, 13 SDR 134, effective July 1, 1987; 16 SDR 152, effective March 28, 1990; 21 SDR 171, effective April 2, 1995; 22 SDR 165, effective June 2, 1996; 23 SDR 132, effective February 27, 1997; 27 SDR 15, effective August 30, 2000; 32 SDR 109, effective December 26, 2005; 36 SDR 163, effective May 3, 2010; 40 SDR 58, effective October 9, 2013; 43 SDR 87, effective December 13, 2016; 44 SDR 17, effective August 8, 2017; 46 SDR 26, effective September 2, 2019.

General Authority: SDCL 32-25-7, 32-25-7.1.
Law Implemented: SDCL 32-25-7, 32-25-7.1.
70:01:02:28. Faulk County. The following are the maximum speeds on certain highways in Faulk County:
(1) U.S. Highway 212 beginning 0.1 mile west of the Main Street intersection in Zell and ending 0.4 mile east of the Main Street intersection, 45 miles per hour;
(2) U.S. Highway 212 beginning \(0.3 \underline{0.46}\) mile east of the railroad crossing at \(\underline{8}^{\text {th }}\) Avenue in Faulkton, then west 0.2 mile, 50 miles per hour; then west 0.9 mile, 35 miles per hour; then west 0.2 mile, 50 miles per hour;
(3) State Trunk Highway 20 beginning at the south city limits of Hoven, then south 0.2 mile, 50 miles per hour.

Source: SL 1975, ch 16, § 1; 13 SDR 129, 13 SDR 134, effective July 1, 1987.
General Authority: SDCL 32-25-7.
Law Implemented: SDCL 32-25-7.
70:01:02:38. Hyde County. The following are the maximum speeds on certain highways in Hyde County:
(1) State Trunk Highway 47 beginning 0.2 mile north of the junction of U.S. Highway 14, then south 0.2 mile, 45 miles per hour; then south for 0.3 mile, 40 miles per hour; then south for 0.7 mile, 30 miles per hour; then south for 0.2 mile, 45 miles per hour;
(2) U.S. Highway 14 in Highmore, beginning \(0.16 \underline{0.3}\) mile west of the junction with State Trunk Highway 47, then east for \(0.67 \underline{0.81}\) mile, 45 miles per hour.

Source: SL 1975, ch 16, § 1; 7 SDR 25, effective September 22, 1980; 13 SDR 129, 13 SDR 134, effective July 1, 1987; 15 SDR 185, effective June 4, 1989; 22 SDR 165, effective June 2, 1996; 26 SDR 124, effective April 2, 2000; 31 SDR 89, effective December 28, 2004; 44 SDR 184, effective June 25, 2018.

General Authority: SDCL 32-25-7.
Law Implemented: SDCL 32-25-7.
70:04:06:02. Mowing permits or contracts required. A-Except for department mowing operations, a person may not mow or remove any grass from the right-of-way unless the person
has first been issued a permit or contract by the region engineer of the department or an authorized representative as provided by this chapter.

Source: 2 SDR 33, effective November 9, 1975; transferred from § 70:01:10:02, effective November 1, 1986; 13 SDR 129, 13 SDR 134, effective July 1, 1987; 14 SDR 14, effective August 2, 1987.

General Authority: SDCL 31-5-21.
Law Implemented: SDCL 31-5-21.

\section*{70:04:06:03.01. Contract for median mowing - Bid proposal -- Minimum bid.}

Mowing of a state highway median may only be done by the department or by a contractor under a contract with the department. The department shall announce in at least three newspapers when it will accept bid proposals for mowing, processing, and removing hay from a state highway median.

Bidders shall identify the areas for which they are submitting a bid by entering the beginning and ending milepost numbers to the tenth of a mile. Areas for which the bidder is an abutting landowner must be identified separately from other areas on which the bidder wishes to bid. Bids shall be submitted on a per mile basis for each area bid. The minimum acceptable bid is \$20 per mile.

Source: 14 SDR 14, effective August 2, 1987.
General Authority: SDCL 31-5-21.
Law Implemented: SDCL 31-5-21.
70:04:06:06. Start of mowing. No mowing of the right-of-way may begin in the west river counties of Dewey, Jones, Stanley, Gregory, Lyman, or Tripp before June 15 and east of
the Missouri River before July 10. All mowing by permit must be completed by September 1 each year, unless an extension is granted in writing by the department.

Mowing of the median by contract may begin on the date the contract is approved and must be performed during the hours between sunrise and sunset. The contractor shall notify the department 24 hours before beginning mowing.

The-Prior to July 10 in all counties east of the Missouri River and prior to June 15 in the counties of Dewey, Jones, Stanley, Gregory, Lyman and Tripp, the department may mow medians and areas within the rights of way prior to July 10 to control noxious weeds and provide increased safety to the traveling public- conduct mowing operations in the following right-ofway locations:
(1) the median of divided highways up to fifteen feet from the nearest edge of the shoulder; (2) in-slopes up to eight feet from the nearest edge of the shoulder;
(3) areas where mowing will enhance sight distance and other safety factors;
(4) areas where mowing will enhance noxious weed control or promote grass growth; and
(5) the area from the right-of-way line up to the nearest edge of the shoulder at interstate rest areas, adjacent to cemeteries, within municipalities, and in developed areas up to one mile outside of municipal boundaries.

Source: 2 SDR 33, effective November 9, 1975; 2 SDR 71, effective May 1, 1976; transferred from § 70:01:10:06, effective November 1, 1986; 13 SDR 129, 13 SDR 134, effective July 1, 1987; 14 SDR 14, effective August 2, 1987; 30 SDR 171, effective May 11, 2004.

General Authority: SDCL 31-5-21.

Law Implemented: SDCL 31-5-21.

70:04:06:07. Restrictions on mowing of newly constructed right-of-way. Mowing
Except for department mowing operations to enhance safety, control noxious weeds, or promote grass growth, mowing on newly constructed sections of highway is not allowed for a period of three years or until the grass has become permanently established.

Source: 2 SDR 33, effective November 9, 1975; transferred from § 70:01:10:07, effective November 1, 1986; 13 SDR 129, 13 SDR 134, effective July 1, 1987.

General Authority: SDCL 31-5-21.
Law Implemented: SDCL 31-5-21.
70:04:06:09. Area of right-of-way which may be mowed. The area of the highway right-of-way which may be mowed by permit is limited to the area from the right-of-way line up to the nearest edge of the roadway shoulder and the areas inside interchanges if access to interchange areas is made by other than the main highway.

The medians of divided highways may be mowed by contract.
Source: 2 SDR 33, effective November 9, 1975; transferred from § 70:01:10:09, effective November 1, 1986; 13 SDR 129, 13 SDR 134, effective July 1, 1987; 14 SDR 14, effective August 2, 1987.

General Authority: SDCL 31-5-21.
Law Implemented: SDCL 31-5-21.
70:04:06:11. Removal of hay -- Restrictions on baled hay. All hay harvested under a permit must be removed from the right-of-way within 30 days after being processed or by October 1, whichever is earlier, unless an extension of time is granted in writing by the department. All hay harvested by contract must be removed within 10 days after being processed or by October 1, whichever is earlier, unless an extension of time is granted in writing by the
region engineer department. Baled hay shall may not be left within the right-of-way during the specified timeframe closer than 30 feet from the painted shoulder stripe. Any hay not removed within the time limits set in this section or by October 4 may be removed and disposed of by the department.

Source: 2 SDR 33, effective November 9, 1975; transferred from § 70:01:10:11, effective November 1, 1986; 13 SDR 129, 13 SDR 134, effective July 1, 1987; 14 SDR 14, effective August 2, 1987; 30 SDR 171, effective May 11, 2004.

General Authority: SDCL 31-5-21.
Law Implemented: SDCL 31-5-21.

\title{
Dept of Transportation \\ Employee Timesheet
}


Title: Lead Highway Maintenance Worke
Period Beginning: September 09, 2020
Lawson Emp Id:
Period September 23, 2020 Fndina

\begin{tabular}{|c|c|c|c|c|}
\hline & Worked Hours & Non-Worked Hours & OT (included in Worked Hours) & Total \\
\hline Previous Work Period & . 00 & 18.00 & . 00 & 18.00 \\
\hline Current Payperiod: & 42.00 & . 00 & . 00 & 42.00 \\
\hline Employee & \multicolumn{2}{|c|}{Manager} & \multicolumn{2}{|r|}{Administrator} \\
\hline
\end{tabular}

\section*{Dept of Transportation}

Employee Timesheet

\section*{Employee: \\ Title: Lead Highway Maintenance Worke}

Period Beginning: September 09, 2020
Period September 23, 2020 Fndina.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Poi & X & Y & Z & Descriptio & Lock & Audi & Phot & Hist & Note & GIS & Map \\
\hline 1 & 0.000 & 0.000 & 0.000 & RP & \(\square\) & & & & & & \\
\hline 99 & 0.000 & 19.632 & -3.819 & RM1 & \(\square\) & & & & & & P \\
\hline 100 & 7.824 & -12.477 & 0.955 & 1BOLT & \(\square\) & & & & & & ? \\
\hline 101 & 1.800 & -4.808 & 0.649 & 2BLACKPL & \(\square\) & & & & & & ? \\
\hline 102 & -13.889 & -6.457 & 0.701 & 3BLACKPL & \(\square\) & & & & & & P \\
\hline 103 & -2.551 & -3.085 & 0.587 & 4REDPAIN & \(\square\) & & & & & & P \\
\hline 104 & -7.422 & -5.805 & 0.625 & 5REDPAIN & \(\square\) & & & & & & P \\
\hline 105 & -9.846 & -4.899 & 0.666 & 6REDPAIN & \(\square\) & & & & & & P \\
\hline 106 & -8.503 & -1.231 & 0.193 & 7REDPAIN & \(\square\) & & & & & & 9 \\
\hline 107 & -9.999 & -0.853 & 0.135 & 8FORK1 & \(\square\) & & & & & & P \\
\hline 108 & -10.611 & -0.484 & 0.070 & 9FORK1 & \(\square\) & & & & & & P \\
\hline 109 & -10.914 & -0.208 & -0.024 & 10FORK1 & \(\square\) & & & & & & P \\
\hline 110 & -11.996 & -1.128 & 0.190 & 11REDPAI & \(\square\) & & & & & & 9 \\
\hline 111 & -13.679 & -0.234 & 0.005 & 12REDPAI & \(\square\) & & & & & & ? \\
\hline 112 & -15.188 & -0.885 & 0.189 & 13REDPAI & \(\square\) & & & & & & P \\
\hline 113 & -18.828 & -5.445 & 0.653 & 14GLASS & \(\square\) & & & & & & P \\
\hline 114 & -26.781 & -5.248 & 0.675 & 14GLASS & \(\square\) & & & & & & P \\
\hline 115 & -22.090 & -6.049 & 0.666 & 15SOLEN & \(\square\) & & & & & & ? \\
\hline 116 & -23.014 & -5.089 & 0.655 & 16BLACKP & \(\square\) & & & & & & ? \\
\hline 117 & -26.752 & -0.744 & 0.165 & 17BLACKP & \(\square\) & & & & & & P \\
\hline 118 & -22.180 & -0.823 & 0.151 & 18REDPAI & \(\square\) & & & & & & P \\
\hline 119 & -23.969 & -0.843 & 0.156 & 19REDPAI & \(\square\) & & & & & & ? \\
\hline 120 & -26.439 & -0.094 & 0.038 & 20REDPAI & \(\square\) & & & & & & P \\
\hline 121 & -24.745 & 0.039 & 0.001 & 20REDPAI & \(\square\) & & & & & & 9 \\
\hline 122 & -28.083 & 0.111 & -0.020 & 22REDPAI & \(\square\) & & & & & & P \\
\hline 123 & -29.087 & -1.230 & 0.236 & 23REDPAI & \(\square\) & & & & & & P \\
\hline 124 & -31.181 & -0.407 & 0.112 & 24REDPAI & \(\square\) & & & & & & ? \\
\hline 125 & -33.052 & -1.091 & 0.184 & 25REDPAI & \(\square\) & & & & & & ? \\
\hline 126 & -34.277 & -0.554 & 0.133 & 26REDPAI & \(\square\) & & & & & & P \\
\hline 127 & -30.657 & -5.379 & 0.662 & 27SILVER & \(\square\) & & & & & & P \\
\hline 128 & -31.551 & -5.736 & 0.661 & 28SOCKE & \(\square\) & & & & & & ? \\
\hline 129 & -35.640 & 5.364 & -1.618 & 29REDPLA & \(\square\) & & & & & & ? \\
\hline 130 & -38.771 & -0.933 & 0.189 & 30REDPLA & \(\square\) & & & & & & 9 \\
\hline 131 & -39.437 & -0.840 & 0.182 & 31REDPAI & \(\square\) & & & & & & P \\
\hline 132 & -39.367 & -1.298 & 0.278 & 32REDPAI & \(\square\) & & & & & & ? \\
\hline 133 & -40.774 & -4.941 & 0.647 & 33REDPAI & \(\square\) & & & & & & ? \\
\hline 134 & -41.854 & -5.238 & 0.651 & 34REDPLA & \(\square\) & & & & & & 9 \\
\hline 135 & -42.828 & 1.608 & -0.428 & 35BLACKP & \(\square\) & & & & & & ? \\
\hline 136 & -45.421 & -8.084 & 0.798 & 36BLACKP & \(\square\) & & & & & & ? \\
\hline 137 & 2.390 & -5.867 & 0.623 & 37BLOOD & \(\square\) & & & & & & P \\
\hline 138 & -2.161 & -5.199 & 0.679 & 38BLOOD & \(\square\) & & & & & & ? \\
\hline 139 & -3.772 & -5.136 & 0.669 & 39BLOOD & \(\square\) & & & & & & ? \\
\hline 140 & -7.984 & -3.081 & 0.560 & 40BLOOD & \(\square\) & & & & & & ? \\
\hline 141 & -8.571 & -1.856 & 0.376 & 41BLOOD & \(\square\) & & & & & & P \\
\hline 142 & -49.728 & -0.704 & 0.142 & 42CLEARP & \(\square\) & & & & & & ? \\
\hline 143 & -54.453 & 0.709 & -0.184 & 43CLEARP & \(\square\) & & & & & & ? \\
\hline 144 & -55.821 & 1.685 & -0.446 & 44CLEARP & \(\square\) & & & & & & P \\
\hline 145 & -57.477 & 1.365 & -0.393 & 45SKIDPL & \(\square\) & & & & & & ? \\
\hline 146 & -55.339 & 0.076 & -0.007 & 46FLASHL & \(\square\) & & & & & & ? \\
\hline 147 & -57.530 & -0.323 & 0.071 & 47REFLEC & \(\square\) & & & & & & ? \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Poi & X & Y & Z & Descriptio & Lock & Audi & Phot & Hist & Note & GIS & Map \\
\hline 148 & -61.906 & -0.951 & 0.201 & 48BLACKP & \(\square\) & & & & & & \\
\hline 149 & -64.505 & -3.015 & 0.500 & 49BLACKP & \(\square\) & & & & & & P \\
\hline 150 & -66.451 & -4.871 & 0.635 & 50BLACKP & \(\square\) & & & & & & 9 \\
\hline 151 & -65.922 & -4.331 & 0.626 & 51GREYP & \(\square\) & & & & & & Y \\
\hline 152 & -55.710 & -10.916 & 0.918 & 52METALF & \(\square\) & & & & & & 9 \\
\hline 153 & -67.872 & -9.137 & 0.846 & 53WIREH & \(\square\) & & & & & & P \\
\hline 154 & -68.214 & -1.226 & 0.263 & 54CLEARP & \(\square\) & & & & & & P \\
\hline 155 & -68.780 & -1.112 & 0.221 & 55REFLEC & \(\square\) & & & & & & ? \\
\hline 156 & -64.667 & -1.218 & 0.266 & 56REDPAI & \(\square\) & & & & & & 9 \\
\hline 157 & -66.458 & -1.204 & 0.245 & 57REDPAI & \(\square\) & & & & & & P \\
\hline 158 & -72.774 & 1.216 & -0.345 & 58BLACKP & \(\square\) & & & & & & P \\
\hline 159 & -72.975 & -4.580 & 0.640 & 59BLACKP & \(\square\) & & & & & & P \\
\hline 160 & -75.469 & -2.702 & 0.475 & 60BLACKP & \(\square\) & & & & & & P \\
\hline 161 & -77.832 & -1.165 & 0.266 & 61REDPAI & \(\square\) & & & & & & ? \\
\hline 162 & -81.816 & -0.639 & 0.151 & 62REDRE & \(\square\) & & & & & & ? \\
\hline 163 & -83.111 & -2.783 & 0.480 & 63SOCKE & \(\square\) & & & & & & P \\
\hline 164 & -86.292 & -0.547 & 0.167 & 64REDPAI & \(\square\) & & & & & & ? \\
\hline 165 & -84.888 & -0.633 & 0.145 & 65REDPAI & \(\square\) & & & & & & 9 \\
\hline 166 & -89.038 & 0.113 & 0.037 & 66CLEAR & \(\square\) & & & & & & ? \\
\hline 167 & -81.795 & 10.828 & -3.261 & 67CLEAR & \(\square\) & & & & & & P \\
\hline 168 & -90.016 & -0.517 & 0.163 & 68REFLEC & \(\square\) & & & & & & P \\
\hline 169 & -91.151 & -3.407 & 0.550 & 69REFLEC & \(\square\) & & & & & & 9 \\
\hline 170 & -96.730 & -6.430 & 0.736 & 70REFLEC & \(\square\) & & & & & & 9 \\
\hline 171 & -101.56 & -0.897 & 0.190 & 71REFLEC & \(\square\) & & & & & & P \\
\hline 172 & -105.26 & -4.884 & 0.593 & 72CLEAR & \(\square\) & & & & & & P \\
\hline 173 & -104.94 & -5.635 & 0.667 & 73REFLEC & \(\square\) & & & & & & P \\
\hline 174 & -92.363 & -8.768 & 0.843 & 74BLOOD & \(\square\) & & & & & & P \\
\hline 175 & -96.870 & -8.522 & 0.824 & 75BLOOD & \(\square\) & & & & & & P \\
\hline 176 & -97.224 & -7.751 & 0.787 & 76BLOOD & \(\square\) & & & & & & 9 \\
\hline 177 & -103.27 & -8.190 & 0.836 & 77BLOOD & \(\square\) & & & & & & 9 \\
\hline 178 & -106.43 & -6.466 & 0.724 & 78BLOOD & \(\square\) & & & & & & 9 \\
\hline 179 & -106.23 & -5.812 & 0.681 & 78BLOOD & \(\square\) & & & & & & 9 \\
\hline 180 & -102.34 & -6.136 & 0.723 & 78BLOOD & \(\square\) & & & & & & P \\
\hline 181 & -102.07 & -6.497 & 0.720 & 78BLOOD & \(\square\) & & & & & & P \\
\hline 182 & -103.73 & -5.587 & 0.669 & 82BLOOD & \(\square\) & & & & & & P \\
\hline 183 & -120.03 & -10.068 & 0.937 & 83BLACKP & \(\square\) & & & & & & P \\
\hline 184 & -113.47 & -0.658 & 0.108 & 84REDPAI & \(\square\) & & & & & & 9 \\
\hline 185 & -113.89 & -0.266 & 0.051 & 85REFLEC & \(\square\) & & & & & & 9 \\
\hline 186 & -119.93 & -0.913 & 0.177 & 86SCREW & \(\square\) & & & & & & 9 \\
\hline 188 & -132.55 & -3.776 & 0.593 & 88WIREH & \(\square\) & & & & & & i \\
\hline 189 & -134.27 & -2.589 & 0.488 & 89BLOOD & \(\square\) & & & & & & ? \\
\hline 190 & -134.29 & -3.295 & 0.583 & 89BLOOD & \(\square\) & & & & & & ? \\
\hline 191 & -143.56 & -2.108 & 0.444 & 89BLOOD & \(\square\) & & & & & & ? \\
\hline 192 & -144.26 & -0.627 & 0.218 & 89BLOOD & \(\square\) & & & & & & P \\
\hline 193 & -131.17 & -2.836 & 0.532 & 93BLOOD & \(\square\) & & & & & & P \\
\hline 194 & -153.21 & -0.105 & 0.178 & 94REDPAI & \(\square\) & & & & & & P \\
\hline 195 & -147.45 & -8.066 & 0.853 & 95BUMPE & \(\square\) & & & & & & P \\
\hline 196 & -146.51 & -7.508 & 0.844 & 95BUMPE & \(\square\) & & & & & & ? \\
\hline 197 & -146.45 & -5.949 & 0.738 & 95BUMPE & \(\square\) & & & & & & 9 \\
\hline 198 & -147.98 & -5.786 & 0.719 & 95BUMPE & \(\square\) & & & & & & P \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Poi & X & Y & Z & Descriptio & Lock & Audi & Phot & Hist & Note & GIS & Map \\
\hline 199 & -151.45 & -8.231 & 0.863 & 99BLACKP & \(\square\) & & & & & & \\
\hline 200 & -150.97 & -1.593 & 0.382 & 100BLACK & \(\square\) & & & & & & P \\
\hline 201 & -157.83 & -0.077 & 0.195 & 101BLACK & \(\square\) & & & & & & P \\
\hline 202 & -166.77 & -4.836 & 0.594 & 102BLACK & \(\square\) & & & & & & P \\
\hline 203 & -173.31 & 1.483 & -0.289 & 103BODY & \(\square\) & & & & & & 9 \\
\hline 204 & -171.31 & 2.015 & -0.422 & 103BODY & \(\square\) & & & & & & P \\
\hline 205 & -169.92 & 1.491 & -0.226 & 103BODY & \(\square\) & & & & & & P \\
\hline 206 & -167.83 & 3.739 & -0.561 & 103BODY & \(\square\) & & & & & & 9 \\
\hline 207 & -168.96 & 4.467 & -0.768 & 103BODY & \(\square\) & & & & & & 9 \\
\hline 208 & -169.01 & 5.187 & -1.041 & 103BODY & \(\square\) & & & & & & 9 \\
\hline 209 & -169.90 & 5.682 & -1.141 & 103BODY & \(\square\) & & & & & & P \\
\hline 210 & -170.45 & 5.196 & -0.924 & 103BODY & \(\square\) & & & & & & 9 \\
\hline 211 & -172.17 & 6.076 & -1.408 & 103BODY & \(\square\) & & & & & & P \\
\hline 212 & -172.38 & 5.444 & -1.123 & 103BODY & \(\square\) & & & & & & P \\
\hline 213 & -170.85 & 4.444 & -0.716 & 103BODY & \(\square\) & & & & & & P \\
\hline 214 & -171.70 & 3.349 & -0.512 & 103BODY & \(\square\) & & & & & & P \\
\hline 215 & -173.35 & 2.066 & -0.363 & 103BODY & \(\square\) & & & & & & 9 \\
\hline 216 & -201.35 & 24.219 & -4.076 & 116LEG & \(\square\) & & & & & & ? \\
\hline 217 & -202.84 & 24.281 & -4.031 & 116LEG & \(\square\) & & & & & & 9 \\
\hline 218 & -204.31 & 22.981 & -4.058 & 116LEG & \(\square\) & & & & & & ? \\
\hline 219 & -204.70 & 23.931 & -4.018 & 116LEG & \(\square\) & & & & & & P \\
\hline 220 & -203.02 & 25.069 & -4.117 & 116LEG & \(\square\) & & & & & & P \\
\hline 221 & -201.53 & 24.989 & -4.090 & 116LEG & \(\square\) & & & & & & P \\
\hline 222 & 1103.63 & 8.631 & -6.171 & SPEED 65- & \(\square\) & & & & & & P \\
\hline 223 & 1104.11 & -7.607 & -2.040 & EP & \(\square\) & & & & & & 9 \\
\hline 224 & 1102.25 & -31.233 & -0.649 & CL & \(\square\) & & & & & & P \\
\hline 225 & 1102.03 & -43.299 & -0.996 & FL & \(\square\) & & & & & & ? \\
\hline 226 & 1151.96 & -50.436 & -1.436 & EP & \(\square\) & & & & & & 9 \\
\hline 227 & 733.516 & -51.825 & -0.880 & EP & \(\square\) & & & & & & 9 \\
\hline 228 & 720.983 & -28.678 & 0.054 & CL & \(\square\) & & & & & & P \\
\hline 229 & 720.828 & -16.585 & -0.313 & FL & \(\square\) & & & & & & 9 \\
\hline 230 & 721.784 & -6.085 & -1.191 & EP & \(\square\) & & & & & & 9 \\
\hline 231 & 610.068 & -5.564 & -1.096 & EP & \(\square\) & & & & & & 9 \\
\hline 232 & 589.183 & -4.976 & -0.813 & EP & \(\square\) & & & & & & ? \\
\hline 233 & 581.612 & -4.980 & -0.732 & EP & \(\square\) & & & & & & P \\
\hline 234 & 576.528 & -1.526 & -1.084 & EP & \(\square\) & & & & & & P \\
\hline 235 & 571.134 & 3.907 & -1.448 & EP & \(\square\) & & & & & & 9 \\
\hline 236 & 568.011 & 10.771 & -1.816 & EP & \(\square\) & & & & & & P \\
\hline 237 & 566.723 & 18.104 & -2.121 & EP & \(\square\) & & & & & & P \\
\hline 238 & 533.667 & 17.103 & -1.633 & EP & \(\square\) & & & & & & P \\
\hline 239 & 533.352 & 6.889 & -1.247 & EP & \(\square\) & & & & & & P \\
\hline 240 & 530.122 & 0.093 & -0.896 & EP & \(\square\) & & & & & & ? \\
\hline 241 & 524.974 & -4.821 & -0.573 & EP & \(\square\) & & & & & & ? \\
\hline 242 & 519.566 & -4.799 & -0.481 & & \(\square\) & & & & & & P \\
\hline 243 & 517.854 & -15.078 & 0.006 & FL & \(\square\) & & & & & & 9 \\
\hline 244 & 514.908 & -39.216 & 0.031 & FL & \(\square\) & & & & & & 9 \\
\hline 245 & 603.082 & -50.610 & -0.846 & EP & \(\square\) & & & & & & P \\
\hline 246 & 593.953 & -50.221 & -0.716 & EP & \(\square\) & & & & & & ? \\
\hline 247 & 586.000 & -51.872 & -0.713 & EP & \(\square\) & & & & & & ? \\
\hline 248 & 579.834 & -55.145 & -0.995 & EP & \(\square\) & & & & & & P \\
\hline
\end{tabular}
\begin{tabular}{|c|c|r|c|c|c|c|c|c|c|c|c|c|}
\hline Poi & \(\mathbf{X}\) & \(\mathbf{Y}\) & \(\mathbf{Z}\) & Descriptio & Lock & Audi & Phot & Hist & Note & GIS & Map \\
\hline 249 & 573.942 & -59.621 & -1.143 & EP & \(\square\) & & & & & \\
\hline 250 & 569.728 & -64.532 & -1.143 & EP & \(\square\) & & & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Poi & X & Y & Z & Descriptio & Lock & Audi & Phot & Hist & Note & GIS & Map \\
\hline 299 & 72.694 & 11.440 & -3.837 & NOPASSI & \(\square\) & & & & & & \\
\hline 300 & 25.388 & 24.515 & -4.084 & HAYBALE & \(\square\) & & & & & & P \\
\hline 301 & 24.525 & 29.774 & -3.490 & HAYBALE & \(\square\) & & & & & & 9 \\
\hline 302 & 19.595 & 29.124 & -3.634 & HAYBALE & \(\square\) & & & & & & ? \\
\hline 303 & 20.089 & 23.757 & -4.146 & HAYBALE & \(\square\) & & & & & & 9 \\
\hline 304 & -31.428 & -0.631 & 0.131 & EP & \(\square\) & & & & & & ? \\
\hline 305 & -32.724 & -10.357 & 0.886 & R & \(\square\) & & & & & & P \\
\hline 306 & -32.957 & -11.920 & 0.939 & FL & \(\square\) & & & & & & ? \\
\hline 307 & -30.191 & -23.857 & 1.227 & CL & \(\square\) & & & & & & 9 \\
\hline 308 & -30.359 & -35.781 & 0.912 & FL & \(\square\) & & & & & & P \\
\hline 309 & -30.520 & -46.870 & -0.015 & EP & \(\square\) & & & & & & P \\
\hline 310 & -111.13 & -46.060 & 0.020 & EP & \(\square\) & & & & & & P \\
\hline 311 & -106.03 & -35.297 & 0.927 & FL & \(\square\) & & & & & & Y \\
\hline 312 & -109.93 & -23.237 & 1.282 & CL & \(\square\) & & & & & & P \\
\hline 313 & -110.32 & -11.340 & 0.967 & FL & \(\square\) & & & & & & ? \\
\hline 314 & -110.67 & -9.932 & 0.889 & R & \(\square\) & & & & & & P \\
\hline 315 & -110.25 & -0.929 & 0.189 & EP & \(\square\) & & & & & & ? \\
\hline 316 & -189.51 & -0.160 & 0.307 & EP & \(\square\) & & & & & & 9 \\
\hline 317 & -190.14 & -9.543 & 1.000 & R & \(\square\) & & & & & & P \\
\hline 318 & -189.91 & -11.005 & 1.048 & FL & \(\square\) & & & & & & Y \\
\hline 319 & -189.71 & -22.697 & 1.336 & CL & \(\square\) & & & & & & P \\
\hline 320 & -190.41 & -34.622 & 1.005 & FL & \(\square\) & & & & & & ? \\
\hline 321 & -191.84 & -45.071 & 0.214 & EP & \(\square\) & & & & & & P \\
\hline 322 & -269.25 & -45.066 & 0.325 & EP & \(\square\) & & & & & & P \\
\hline 323 & -267.36 & -34.157 & 1.144 & FL & \(\square\) & & & & & & P \\
\hline 324 & -269.56 & -22.227 & 1.457 & CL & \(\square\) & & & & & & P \\
\hline 325 & -269.31 & -10.384 & 1.175 & FL & \(\square\) & & & & & & P \\
\hline 326 & -268.90 & -9.127 & 1.113 & R & \(\square\) & & & & & & P \\
\hline 327 & -269.06 & 0.296 & 0.469 & EP & \(\square\) & & & & & & ? \\
\hline 328 & -349.44 & 0.901 & 0.453 & EP & \(\square\) & & & & & & P \\
\hline 329 & -350.18 & -8.261 & 1.212 & R & \(\square\) & & & & & & P \\
\hline 330 & -350.33 & -9.935 & 1.262 & FL & \(\square\) & & & & & & P \\
\hline 331 & -349.30 & -21.676 & 1.534 & CL & \(\square\) & & & & & & P \\
\hline 332 & -349.52 & -33.686 & 1.199 & FL & \(\square\) & & & & & & ? \\
\hline 333 & -350.65 & -44.229 & 0.404 & EP & \(\square\) & & & & & & ? \\
\hline 334 & -372.57 & 27.376 & -3.626 & HAYBALE & \(\square\) & & & & & & P \\
\hline 335 & -378.05 & 27.217 & -3.651 & HAYBALE & \(\square\) & & & & & & 9 \\
\hline 336 & -378.17 & 32.532 & -3.362 & HAYBALE & \(\square\) & & & & & & 9 \\
\hline 337 & -373.02 & 32.756 & -3.326 & HAYBALE & \(\square\) & & & & & & P \\
\hline 338 & 60.033 & -9.740 & 0.773 & SKID & \(\square\) & & & & & & P \\
\hline 339 & 33.220 & -9.513 & 0.819 & SKID & \(\square\) & & & & & & P \\
\hline 340 & 17.977 & -9.509 & 0.823 & SKID & \(\square\) & & & & & & ? \\
\hline 341 & 2.136 & -9.067 & 0.818 & SKID & \(\square\) & & & & & & P \\
\hline 342 & -16.075 & -8.732 & 0.822 & SKID & \(\square\) & & & & & & P \\
\hline 343 & -29.591 & -8.422 & 0.803 & SKID & \(\square\) & & & & & & P \\
\hline 344 & -47.458 & -8.164 & 0.786 & SKID & \(\square\) & & & & & & ? \\
\hline 345 & -65.066 & -7.610 & 0.770 & SKID & \(\square\) & & & & & & P \\
\hline 346 & -80.784 & -7.062 & 0.729 & SKID & \(\square\) & & & & & & ? \\
\hline 347 & -99.354 & -5.856 & 0.681 & SKID & \(\square\) & & & & & & ? \\
\hline 348 & -113.79 & -5.033 & 0.622 & SKID & \(\square\) & & & & & & ? \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Poi & X & Y & Z & Descriptio & Lock & Audi & Phot & Hist & Note & GIS & Map \\
\hline 349 & -118.04 & -4.648 & 0.600 & SKID & \(\square\) & & & & & & \\
\hline 350 & 15.311 & -17.015 & 1.061 & SKID & \(\square\) & & & & & & P \\
\hline 351 & 0.936 & -16.628 & 1.060 & SKID & \(\square\) & & & & & & P \\
\hline 352 & -11.473 & -16.035 & 1.054 & SKID & \(\square\) & & & & & & Y \\
\hline 353 & -26.094 & -16.005 & 1.037 & SKID & \(\square\) & & & & & & P \\
\hline 354 & -41.346 & -15.572 & 1.033 & SKID & \(\square\) & & & & & & P \\
\hline 355 & -61.529 & -15.449 & 1.028 & SKID & \(\square\) & & & & & & P \\
\hline 356 & -78.314 & -14.457 & 1.014 & SKID & \(\square\) & & & & & & \\
\hline 357 & 0.124 & 19.677 & -3.841 & RM & \(\square\) & & & & & & 9 \\
\hline 358 & 62.245 & -37.686 & 0.869 & SEC2 & \(\square\) & & & & & & P \\
\hline 359 & 25.469 & 24.243 & -13.027 & BALE & \(\square\) & & & & & & P \\
\hline 360 & 62.786 & -17.798 & 1.051 & SECRM1 & \(\square\) & & & & & & P \\
\hline 361 & -654.25 & 2.786 & 1.323 & CAR & \(\square\) & & & & & & P \\
\hline 362 & -698.20 & -85.934 & -0.953 & POLE & \(\square\) & & & & & & P \\
\hline 363 & -696.76 & -37.599 & 1.179 & EOP & \(\square\) & & & & & & P \\
\hline 364 & -696.90 & -32.369 & 1.231 & FL & \(\square\) & & & & & & P \\
\hline 365 & -696.69 & -26.272 & 1.555 & CL & \(\square\) & & & & & & P \\
\hline 366 & -696.27 & -14.129 & 1.856 & FL & \(\square\) & & & & & & P \\
\hline 367 & -696.28 & -2.476 & 1.721 & EOP & \(\square\) & & & & & & Y \\
\hline 368 & -698.84 & 8.763 & 0.898 & EOP & \(\square\) & & & & & & P \\
\hline 369 & 63.768 & -24.654 & -10.724 & QUADLINE & \(\square\) & & & & & & P \\
\hline 370 & 64.003 & -2.289 & -11.733 & QUADLINE & \(\square\) & & & & & & P \\
\hline 371 & 75.755 & -25.115 & -10.736 & QUADLINE & \(\square\) & & & & & & P \\
\hline 372 & 77.200 & -2.443 & -11.855 & QUADLINE & \(\square\) & & & & & & ? \\
\hline 373 & 91.853 & -25.196 & -10.784 & QUADLINE & \(\square\) & & & & & & P \\
\hline 374 & 116.564 & -15.323 & -11.136 & OUTSIDE & \(\square\) & & & & & & P \\
\hline 375 & 107.168 & -3.675 & -5.869 & QUADLINE & \(\square\) & & & & & & P \\
\hline 376 & 82.924 & -2.829 & -5.880 & PAINT & \(\square\) & & & & & & P \\
\hline 377 & 62.686 & -17.663 & 1.073 & RM2 & \(\square\) & & & & & & Y \\
\hline 378 & 62.636 & -17.977 & 1.072 & QUADRM3 & \(\square\) & & & & & & P \\
\hline 379 & 92.214 & -1.664 & -0.274 & QUADLINE & \(\square\) & & & & & & 9 \\
\hline 380 & 106.010 & -24.816 & 1.128 & QUADLINE & \(\square\) & & & & & & P \\
\hline 381 & 107.154 & -3.204 & 0.073 & QUADLINE & \(\square\) & & & & & & P \\
\hline 382 & 106.761 & -13.950 & 0.798 & MIDQUAD & \(\square\) & & & & & & P \\
\hline 383 & 92.299 & -14.038 & 0.899 & MIDQUAD & \(\square\) & & & & & & P \\
\hline 384 & 76.749 & -13.949 & 0.882 & MIDQUAD & \(\square\) & & & & & & Y \\
\hline 385 & 63.907 & -13.756 & -5.017 & MIDQUAD & \(\square\) & & & & & & 9 \\
\hline 386 & 62.742 & -17.853 & 1.024 & QUADRM4 & \(\square\) & & & & & & P \\
\hline 387 & 2.743 & -6.089 & 0.617 & RP2 & \(\square\) & & & & & & Y \\
\hline 388 & 2.992 & 13.589 & -3.456 & RM5 & \(\square\) & & & & & & P \\
\hline 389 & 63.962 & -24.529 & 1.191 & QUAD & \(\square\) & & & & & & P \\
\hline 390 & 76.793 & -24.965 & 1.192 & QUAD & \(\square\) & & & & & & P \\
\hline 391 & 92.191 & -24.713 & 1.146 & QUAD & \(\square\) & & & & & & P \\
\hline 392 & 106.833 & -25.303 & 1.123 & QUAD & \(\square\) & & & & & & P \\
\hline 393 & 106.582 & -13.908 & 0.791 & QUAD & \(\square\) & & & & & & P \\
\hline 394 & 92.786 & -14.047 & 0.853 & QUAD & \(\square\) & & & & & & P \\
\hline 395 & 76.894 & -13.866 & 0.885 & QUAD & \(\square\) & & & & & & P \\
\hline 396 & 63.853 & -13.608 & 0.920 & QUAD & \(\square\) & & & & & & P \\
\hline 397 & 63.748 & -1.744 & -0.044 & QUAD & \(\square\) & & & & & & ? \\
\hline 398 & 77.300 & -1.977 & -0.200 & QUAD & \(\square\) & & & & & & P \\
\hline
\end{tabular}
\begin{tabular}{|c|r|r|r|l|l|l|l|l|l|l|l|}
\hline Poi & \multicolumn{1}{|c|}{\(\mathbf{X}\)} & \multicolumn{1}{c|}{\(\mathbf{Y}\)} & \multicolumn{1}{c|}{\(\mathbf{Z}\)} & Descriptio & Lock & Audi & Phot & Hist & Note & GIS & Map \\
\hline 399 & 92.333 & -2.008 & -0.220 & QUAD & \(\square\) & & & & & & \(Q\) \\
400 & 107.218 & -2.778 & -0.093 & QUAD & \(\square\) & & & & & & \(Q\) \\
\hline 401 & 116.330 & -15.169 & 0.813 & OS QUAD & \(\square\) & & & & & & \(Q\) \\
\hline 402 & 82.964 & -2.686 & -0.054 & 1 ST CHIO & \(\square\) & & & & & & \(Q\) \\
\hline 403 & 3.009 & 13.409 & -3.447 & RM6 & \(\square\) & & & & & & \(Q\) \\
\hline 404 & 63.621 & -0.550 & -0.266 & RP11/3 & \(\square\) & & & & & & \(Q\) \\
\hline 405 & -0.863 & -97.704 & -0.354 & MISSION & \(\square\) & & & & & & \(Q\) \\
\hline 406 & -476.76 & -94.172 & -1.702 & MISSION & \(\square\) & & & & & & \(Q\) \\
407 & -602.28 & 1.753 & 1.192 & ANALYSIS & \(\square\) & & & & & & \(Q\) \\
\hline 408 & -195.18 & 7.898 & -1.770 & D POST & \(\square\) & & & & & & \(Q\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Job Desc & Crew & Inst Num & Temp & Pressure & Start Date & & \\
\hline & \multicolumn{5}{|l|}{\multirow[b]{2}{*}{--Evidence Recorder v 9.0.9.7 (2014-03-19)}} & & \\
\hline Note & & & & & & & \\
\hline Note & \multicolumn{7}{|l|}{--Instrument Selected: Type=Total Station,Profile=TCR407,Model=TPS Series (GSI)} \\
\hline Store Pt Type & Pt Num & X & Y & Z & Desc & & \\
\hline SP & 1 & 0.000 & 0.000 & 0.000 & RP & & \\
\hline Note & \multicolumn{7}{|l|}{--EDM Mode: IR Standard} \\
\hline Note & \multicolumn{7}{|l|}{--Application Prism: 0.0 mm Instrument Prism: 0.0 mm} \\
\hline & \multicolumn{7}{|l|}{--Orientation} \\
\hline Occupied Pt & BS Pt & BS Azm & BS Read & Inst Ht & & & \\
\hline 1 & & 000'00' & 000'00" & 5.33 & & & \\
\hline Shot Type & Shot Pt & Targ Ht & Hz Ang & Vt Ang & SIp Dist & Desc & \\
\hline SS & 99 & 6.00 & \(0^{\circ} 00^{\prime} 00^{\prime \prime}\) & 99 \({ }^{\circ} 06^{\prime} 48^{\prime \prime}\) & 19.88 & RM1 & \\
\hline Occupied Pt & BS Pt & BS Azm & BS Read & Inst Ht & & & \\
\hline 1 & 99 & & 0 \({ }^{\circ} 00^{\prime} 00^{\prime \prime}\) & 5.33 & & & \\
\hline \begin{tabular}{l}
Note \\
Note
\end{tabular} & \multicolumn{7}{|l|}{--Orientation Notes
-- Observed Values: HA \(0^{\circ} 00^{\prime} 00^{\prime \prime}\) VA \(99^{\circ} 06^{\prime} 48^{\prime \prime}\) SD 19.88' HD 19.63' HR 6.00'} \\
\hline Note & \multicolumn{7}{|l|}{-- Observed Reference: Direction (Point Stored)} \\
\hline Note & \multicolumn{7}{|l|}{--EDM Mode: RL Standard} \\
\hline Note & \multicolumn{7}{|l|}{--EDM Mode: IR Standard} \\
\hline Shot Type & Shot Pt & Targ Ht & Hz Ang & Vt Ang & Slp Dist & Desc & \\
\hline SS & 100 & 6.00 & \(147^{\circ} 54{ }^{\prime 2} 29^{\prime \prime}\) & 83022'09" & 14.82 & 1BOLT & \\
\hline SS & 101 & 6.00 & \(159^{\circ} 28^{\prime} 24^{\prime \prime}\) & \(75^{\circ} 35^{\prime 2} 22^{\prime \prime}\) & 5.30 & 2BLACKPLA & \\
\hline SS & 102 & 6.00 & 245 \({ }^{\circ} 03^{\prime} 58^{\prime \prime}\) & \(84^{\circ} 53^{\prime} 13^{\prime \prime}\) & 15.38 & 3BLACKPLA & \\
\hline SS & 103 & 6.00 & \(219^{\circ} 35^{\prime} 30^{\prime \prime}\) & \(72^{\circ} 33^{\prime} 48^{\prime \prime}\) & 4.20 & 4REDPAINT & \\
\hline SS & 104 & 6.00 & \(231{ }^{\circ} 58^{\prime} 08^{\prime \prime}\) & \(82^{\circ} 10^{\prime 2} 6^{\prime \prime}\) & 9.51 & 5REDPAINT & \\
\hline SS & 105 & 6.00 & \(243^{\circ} 32^{\prime} 43^{\prime \prime}\) & 83 \({ }^{\circ} 04^{\prime} 16^{\prime \prime}\) & 11.08 & 6REDPAINT & \\
\hline SS & 106 & 6.00 & \(261^{\circ} 45^{\prime} 42^{\prime \prime}\) & \(84^{\circ} 15^{\prime} 43^{\prime \prime}\) & 8.63 & 7REDPAINT & \\
\hline SS & 107 & 6.00 & 265007'27 \({ }^{\prime \prime}\) & \(85^{\circ} 24^{\prime} 45^{\prime \prime}\) & 10.07 & 8FORK1 & \\
\hline SS & 108 & 6.00 & \(267^{\circ} 23^{\prime} 16^{\prime \prime}\) & \(86^{\circ} 01^{\prime \prime} 0{ }^{\prime \prime}\) & 10.65 & 9FORK1 & \\
\hline SS & 109 & 6.00 & 26854'29" & \(86^{\circ} 36^{\prime} 54{ }^{\prime \prime}\) & 10.94 & 10FORK1 & \\
\hline SS & 110 & 6.00 & \(264^{\circ} 37{ }^{\prime} 40^{\prime \prime}\) & \(85^{\circ} 54^{\prime 5} 5{ }^{\prime \prime}\) & 12.08 & 11REDPAIN & \\
\hline SS & 111 & 6.00 & 26901'17" & \(87^{\circ} 10^{\prime} 34^{\prime \prime}\) & 13.70 & 12REDPAIN & \\
\hline SS & 112 & 6.00 & \(266^{\circ} 39^{\prime} 54{ }^{\prime \prime}\) & 8646'01" & 15.24 & 13REDPAIN & \\
\hline SS & 113 & 6.00 & 253 \({ }^{\circ} 52^{\prime} 08^{\prime \prime}\) & \(86^{\circ} 08^{\prime} 14^{\prime \prime}\) & 19.64 & 14GLASS S & \\
\hline SS & 114 & 6.00 & 258 \({ }^{\circ} 54^{\prime} 47^{\prime \prime}\) & \(87^{\circ} 10^{\prime} 45^{\prime \prime}\) & 27.32 & 14GLASS S & \\
\hline SS & 115 & 6.00 & 2544ㄴ'13 \({ }^{\prime \prime}\) & \(86^{\circ} 39^{\prime} 38^{\prime \prime}\) & 22.94 & 15SOLENOI & \\
\hline SS & 116 & 6.00 & 257 \({ }^{\circ} 31{ }^{\prime} 51{ }^{\prime \prime}\) & \(86^{\circ} 46^{\prime} 53^{\prime \prime}\) & 23.61 & 16BLACKPL & \\
\hline SS & 117 & 6.00 & 268²4'28" & 88 \({ }^{\circ} 12^{\prime \prime} 48^{\prime \prime}\) & 26.77 & 17BLACKPL & \\
\hline SS & 118 & 6.00 & 267\({ }^{\circ} 52^{\prime} 33^{\prime \prime}\) & 87 \({ }^{\circ} 52^{\prime} 49^{\prime \prime}\) & 22.21 & 18REDPAIN & \\
\hline SS & 119 & 6.00 & \(267^{\circ} 59^{\prime} 12^{\prime \prime}\) & 8801'43" & 24.00 & 19REDPAIN & \\
\hline SS & 120 & 6.00 &  & \(88^{\circ} 27^{\prime} 57^{\prime \prime}\) & 26.45 & 20REDPAIN & \\
\hline SS & 121 & 6.00 & 270 \(05^{\prime 2} 6^{\prime \prime}\) & \(88^{\circ} 26^{\prime} 51^{\prime \prime}\) & 24.75 & 20REDPAIN & \\
\hline SS & 122 & 6.00 & \(270^{\circ} 13^{\prime} 32^{\prime \prime}\) & 88\({ }^{\circ} 40^{\prime 2} 5^{\prime \prime}\) & 28.09 & 22REDPAIN & \\
\hline SS & 123 & 6.00 & \(267^{\circ} 34^{\prime} 44^{\prime \prime}\) & 888 \({ }^{\circ} 13^{\prime} 00^{\prime \prime}\) & 29.13 & 23REDPAIN & \\
\hline SS & 124 & 6.00 & 269 \({ }^{\circ} 15^{\prime \prime} 10^{\prime \prime}\) & 88 \({ }^{\circ} 33^{\prime} 49^{\prime \prime}\) & 31.19 & 24REDPAIN & \\
\hline SS & 125 & 6.00 & 26806'33' & 88 \({ }^{\circ} 31{ }^{\prime \prime} 14^{\prime \prime}\) & 33.08 & 25REDPAIN & \\
\hline SS & 126 & 6.00 & 269 \({ }^{\circ} 04^{\prime} 27^{\prime \prime}\) & 88 \({ }^{\circ} 39^{\prime 2} 27^{\prime \prime}\) & 34.29 & 26REDPAIN & \\
\hline SS & 127 & 6.00 & 26002'51' & 87 \({ }^{\circ} 33^{\prime 0} 0{ }^{\prime \prime}\) & 31.15 & 27SILVERPL & \\
\hline SS & 128 & 6.00 & \(259{ }^{\circ} 41^{\prime} 46^{\prime \prime}\) & 87 \({ }^{\circ} 37^{\prime 2} 21^{\prime \prime}\) & 32.10 & 28SOCKET & \\
\hline SS & 129 & 6.00 & \(278{ }^{\circ} 33^{\prime} 35^{\prime \prime}\) & \(91^{\circ} 30^{\prime 2} 22^{\prime \prime}\) & 36.05 & 29REDPLAS & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Job Desc & Crew & Inst Num & Temp & Pressure & Start Date & & \\
\hline SS & 130 & 6.00 & 268 \({ }^{\circ} 37{ }^{\prime} 16^{\prime \prime}\) & \(88^{\circ} 43^{\prime} 52^{\prime \prime}\) & 38.79 & 30REDPLAS & \\
\hline SS & 131 & 6.00 & \(268^{\circ} 46^{\prime} 48^{\prime \prime}\) & \(88^{\circ} 45^{\prime} 47^{\prime \prime}\) & 39.45 & 31REDPAIN & \\
\hline SS & 132 & 6.00 & 26806'40' & 88 \({ }^{\circ} 37^{\prime} 17^{\prime \prime}\) & 39.40 & 32REDPAIN & \\
\hline SS & 133 & 6.00 & 263 \({ }^{\circ} 5^{\prime 2} 28^{\prime \prime}\) & \(88^{\circ} 09^{\prime} 47{ }^{\prime \prime}\) & 41.09 & 33REDPAIN & \\
\hline SS & 134 & 6.00 & 262º 51 '59" & \(88^{\circ} 12^{\prime 2} 0^{\prime \prime}\) & 42.20 & 34REDPLAS & \\
\hline SS & 135 & 6.00 & 272 \({ }^{\circ} 09^{\prime} 03^{\prime \prime}\) & \(89^{\circ} 40^{\prime} 34^{\prime \prime}\) & 42.86 & 35BLACKPL & \\
\hline SS & 136 & 6.00 & \(259^{\circ} 54^{\prime} 31^{\prime \prime}\) & \(88^{\circ} 10^{\prime} 41^{\prime \prime}\) & 46.16 & 36BLACKPL & \\
\hline SS & 137 & 6.00 & \(157{ }^{\circ} 49^{\prime} 56^{\prime \prime}\) & 78²7'47" & 6.47 & 37BLOOD & \\
\hline SS & 138 & 6.00 & 202 \({ }^{\circ} 34^{\prime} 12^{\prime \prime}\) & \(76^{\circ} 31^{\prime} 41^{\prime \prime}\) & 5.79 & 38BLOOD & \\
\hline SS & 139 & 6.00 & 216 \({ }^{\circ} 17{ }^{\prime} 40^{\prime \prime}\) & \(78^{\circ} 07{ }^{\prime 5} 2^{\prime \prime}\) & 6.51 & 39BLOOD & \\
\hline SS & 140 & 6.00 & 248 \({ }^{\circ} 53^{\prime} 57{ }^{\prime \prime}\) & \(81^{\circ} 49^{\prime} 17^{\prime \prime}\) & 8.65 & 40BLOOD & \\
\hline SS & 141 & 6.00 & \(257^{\circ} 46^{\prime} 48^{\prime \prime}\) & \(83^{\circ} 11^{\prime} 55^{\prime \prime}\) & 8.83 & 41BLOOD & \\
\hline SS & 142 & 6.00 & 269 \({ }^{\circ} 11^{\prime} 22^{\prime \prime}\) & \(89^{\circ} 03^{\prime} 54^{\prime \prime}\) & 49.74 & 42CLEARPL & \\
\hline SS & 143 & 6.00 & 270044'47" & \(89^{\circ} 29^{\prime} 18^{\prime \prime}\) & 54.46 & 43CLEARPL & \\
\hline SS & 144 & 6.00 & 271 \({ }^{\circ} 43^{\prime} 45^{\prime \prime}\) & \(89^{\circ} 46^{\prime} 13^{\prime \prime}\) & 55.85 & 44CLEARPL & \\
\hline SS & 145 & 6.00 & \(271^{\circ} 21^{\prime} 39^{\prime \prime}\) & \(89^{\circ} 43^{\prime} 26^{\prime \prime}\) & 57.49 & 45SKIDPLAT & \\
\hline SS & 146 & 6.00 & 27004'42' & \(89^{\circ} 18^{\prime} 50^{\prime \prime}\) & 55.34 & 46FLASHLIG & \\
\hline SS & 147 & 6.00 & 2690 40 '43" & 89 \({ }^{\circ} 15^{\prime} 45^{\prime \prime}\) & 57.54 & 47REFLECTI & \\
\hline SS & 148 & 6.00 & 269007'12' & \(89^{\circ} 11^{\prime} 37^{\prime \prime}\) & 61.92 & 48BLACKPL & \\
\hline SS & 149 & 6.00 & 267 \({ }^{\circ} 19{ }^{\prime 2} 25^{\prime \prime}\) & \(88^{\circ} 57^{\prime} 43^{\prime \prime}\) & 64.59 & 49BLACKPL & \\
\hline SS & 150 & 6.00 & 265 \({ }^{\circ} 48^{\prime 2} 7^{\prime \prime}\) & \(88^{\circ} 52^{\prime} 42^{\prime \prime}\) & 66.64 & 50BLACKPL & \\
\hline SS & 151 & 6.00 & 266 \({ }^{\circ} 14^{\prime} 27^{\prime \prime}\) & \(88^{\circ} 52^{\prime} 33^{\prime \prime}\) & 66.08 & 51GREYPLA & \\
\hline SS & 152 & 6.00 & 258 \({ }^{\circ} 54^{\prime} 49^{\prime \prime}\) & \(88^{\circ} 23^{\prime} 51^{\prime \prime}\) & 56.79 & 52METALFR & \\
\hline SS & 153 & 6.00 & 262 \({ }^{\circ} 19^{\prime} 57^{\prime \prime}\) & \(88^{\circ} 43^{\prime} 56^{\prime \prime}\) & 68.50 & 53WIREHAR & \\
\hline SS & 154 & 6.00 & 2680 \(58^{\prime \prime} 13^{\prime \prime}\) & \(89^{\circ} 12^{\prime} 58^{\prime \prime}\) & 68.23 & 54CLEARPL & \\
\hline SS & 155 & 6.00 & 269 \({ }^{\circ} 04^{\prime} 25^{\prime \prime}\) & \(89^{\circ} 15^{\prime} 27^{\prime \prime}\) & 68.79 & 55REFLECTI & \\
\hline SS & 156 & 6.00 & 268055'14" & \(89^{\circ} 10^{\prime \prime} 14^{\prime \prime}\) & 64.68 & 56REDPAIN & \\
\hline SS & 157 & 6.00 & 26857'44" & \(89^{\circ} 12^{\prime} 40^{\prime \prime}\) & 66.47 & 57REDPAIN & \\
\hline SS & 158 & 6.00 & 270 \({ }^{\circ} 57{ }^{\prime} 25^{\prime \prime}\) & \(89^{\circ} 44^{\prime} 39^{\prime \prime}\) & 72.78 & 58BLACKPL & \\
\hline SS & 159 & 6.00 & \(266^{\circ} 24^{\prime} 31^{\prime \prime}\) & \(88^{\circ} 58^{\prime} 25^{\prime \prime}\) & 73.13 & 59BLACKPL & \\
\hline SS & 160 & 6.00 & \(267^{\circ} 56^{\prime} 57^{\prime \prime}\) & 89 \(077^{\prime 5} 4^{\prime \prime}\) & 75.53 & 60BLACKPL & \\
\hline SS & 161 & 6.00 & 26908'33' & \(89^{\circ} 18^{\prime} 41^{\prime \prime}\) & 77.85 & 61REDPAIN & \\
\hline SS & 162 & 6.00 & 269 \({ }^{\circ} 33^{\prime} 09^{\prime \prime}\) & \(89^{\circ} 25^{\prime} 30^{\prime \prime}\) & 81.82 & 62REDREFL & \\
\hline SS & 163 & 6.00 & 26804'57' & \(89^{\circ} 12^{\prime} 28^{\prime \prime}\) & 83.17 & 63SOCKET & \\
\hline SS & 164 & 6.00 & \(269^{\circ} 38^{\prime} 12^{\prime \prime}\) & \(89^{\circ} 26^{\prime} 39^{\prime \prime}\) & 86.30 & 64REDPAIN & \\
\hline SS & 165 & 6.00 & \(269^{\circ} 34^{\prime} 23^{\prime \prime}\) & \(89^{\circ} 27^{\prime} 00^{\prime \prime}\) & 84.89 & 65REDPAIN & \\
\hline SS & 166 & 6.00 & 270 \({ }^{\circ} 04^{\prime} 21^{\prime \prime}\) & \(89^{\circ} 32^{\prime} 43^{\prime \prime}\) & 89.04 & 66CLEARGL & \\
\hline SS & 167 & 6.00 & \(277^{\circ} 32^{\prime 2} 7^{\prime \prime}\) & \(91^{\circ} 47^{\prime 5} 5{ }^{\prime \prime}\) & 82.55 & 67CLEARGL & \\
\hline SS & 168 & 6.00 & 2690 \(40{ }^{\prime} 15^{\prime \prime}\) & \(89^{\circ} 28^{\prime} 12^{\prime \prime}\) & 90.02 & 68REFLECTI & \\
\hline SS & 169 & 6.00 & 2670 \(51{ }^{\prime} 33^{\prime \prime}\) & 89 \({ }^{\circ} 14^{\prime} 01^{\prime \prime}\) & 91.22 & 69REFLECTI & \\
\hline SS & 170 & 6.00 & \(266^{\circ} 11^{\prime \prime} 48^{\prime \prime}\) & \(89^{\circ} 10 \times 0{ }^{\prime \prime}\) & 96.95 & 70REFLECTI & \\
\hline SS & 171 & 6.00 & 269 \({ }^{\circ} 9^{\prime} 39^{\prime \prime}\) & \(89^{\circ} 30^{\prime} 54^{\prime \prime}\) & 101.57 & 71REFLECTI & \\
\hline SS & 172 & 6.00 & \(267^{\circ} 20^{\prime} 36^{\prime \prime}\) & \(89^{\circ} 18^{\prime} 47^{\prime \prime}\) & 105.38 & 72CLEARGL & \\
\hline SS & 173 & 6.00 & \(266^{\circ} 55^{\prime} 35{ }^{\prime \prime}\) & \(89^{\circ} 16^{\prime} 16^{\prime \prime}\) & 105.11 & 73REFLECTI & \\
\hline SS & 174 & 6.00 & \(264^{\circ} 34^{\prime} 37^{\prime \prime}\) & \(89^{\circ} 03^{\prime} 56{ }^{\prime \prime}\) & 92.79 & 74BLOOD & \\
\hline SS & 175 & 6.00 & \(264{ }^{\circ} 58^{\prime} 20^{\prime \prime}\) & 8907'11" & 97.26 & 75BLOOD & \\
\hline SS & 176 & 6.00 & \(265^{\circ} 26^{\prime} 30^{\prime \prime}\) & \(89^{\circ} 08^{\prime} 39^{\prime \prime}\) & 97.54 & 76BLOOD & \\
\hline SS & 177 & 6.00 & 265 \({ }^{\circ} 27^{\prime} 57^{\prime \prime}\) & \(89^{\circ} 10^{\prime} 02^{\prime \prime}\) & 103.61 & 77BLOOD & \\
\hline SS & 178 & 6.00 & \(266^{\circ} 31{ }^{\prime} 24^{\prime \prime}\) & \(89^{\circ} 15^{\prime} 03^{\prime \prime}\) & 106.64 & 78BLOOD & \\
\hline SS & 179 & 6.00 & \(266^{\circ} 52^{\prime} 06^{\prime \prime}\) & \(89^{\circ} 16^{\prime} 21^{\prime \prime}\) & 106.40 & 78BLOOD & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Job Desc & Crew & Inst Num & Temp & Pressure & Start Date & & \\
\hline SS & 180 & 6.00 & 266³4'09" & 89 \({ }^{\circ} 13^{\prime} 17^{\prime \prime}\) & 102.54 & 78BLOOD & \\
\hline SS & 181 & 6.00 & \(266^{\circ} 21^{\prime} 28^{\prime \prime}\) & \(89^{\circ} 13^{\prime \prime} 17^{\prime \prime}\) & 102.29 & 78BLOOD & \\
\hline SS & 182 & 6.00 & 26655'01" & \(89^{\circ} 15^{\prime \prime} 42^{\prime \prime}\) & 103.89 & 82BLOOD & \\
\hline SS & 183 & 6.00 & \(265^{\circ} 12^{\prime 2} 0^{\prime \prime}\) & \(89^{\circ} 14^{\prime \prime} 08^{\prime \prime}\) & 120.47 & 83BLACKPL & \\
\hline SS & 184 & 6.00 & 269 \({ }^{\circ} 40^{\prime} 04^{\prime \prime}\) & \(89^{\circ} 36^{\prime 2} 6^{\prime \prime}\) & 113.48 & 84REDPAIN & \\
\hline SS & 185 & 6.00 & 269 \({ }^{\circ} 51\) '59" & \(89^{\circ} 38^{\prime \prime} 15^{\prime \prime}\) & 113.89 & 85REFLECTI & \\
\hline SS & 186 & 6.00 & \(269^{\circ} 33^{\prime} 50{ }^{\prime \prime}\) & \(89^{\circ} 35^{\prime} 44^{\prime \prime}\) & 119.94 & 86SCREW & \\
\hline SS & 187 & 6.00 & 265 \({ }^{\circ} 13^{\prime} 50{ }^{\prime \prime}\) & \(89^{\circ} 14^{\prime} 38^{\prime \prime}\) & 120.27 & 87BLACKPL & \\
\hline Note & --Undo PN 187 & & & & & & \\
\hline Note & --Reason for U & do: PREVIOU & SLY SHOT & & & & \\
\hline Delete Pt Nu & & & & & & & \\
\hline 187 & & & & & & & \\
\hline Shot Type & Shot Pt & Targ Ht & Hz Ang & Vt Ang & SIp Dist & Desc & \\
\hline SS & 188 & 6.00 & 268 \({ }^{\circ} 22^{\prime} 06^{\prime \prime}\) & \(89^{\circ} 27^{\prime \prime} 16^{\prime \prime}\) & 132.61 & 88WIREHAR & \\
\hline SS & 189 & 6.00 & 26853'44" & 89 \({ }^{\circ} 30^{\prime 2} 22^{\prime \prime}\) & 134.30 & 89BLOOD & \\
\hline SS & 190 & 6.00 & \(268^{\circ} 35^{\prime} 40\) " & \(89^{\circ} 27^{\prime} 56^{\prime \prime}\) & 134.34 & 89BLOOD & \\
\hline SS & 191 & 6.00 & 269 \({ }^{\circ} 09^{\prime} 31^{\prime \prime}\) & 89 \({ }^{\circ} 33^{\prime} 19^{\prime \prime}\) & 143.59 & 89BLOOD & \\
\hline SS & 192 & 6.00 & \(269^{\circ} 45^{\prime} 03^{\prime \prime}\) & \(89^{\circ} 38^{\prime} 50^{\prime \prime}\) & 144.27 & 89BLOOD & \\
\hline SS & 193 & 6.00 & 268²5'41' & \(89^{\circ} 28^{\prime \prime} 31^{\prime \prime}\) & 131.21 & 93BLOOD & \\
\hline SS & 194 & 6.00 & 269 \({ }^{\circ} 57{ }^{\prime} 39^{\prime \prime}\) & 89 \({ }^{\circ} 40^{\prime} 59^{\prime \prime}\) & 153.22 & 94REDPAIN & \\
\hline SS & 195 & 6.00 & \(266^{\circ} 52^{\prime} 08^{\prime \prime}\) & \(89^{\circ} 24^{\prime} 33^{\prime \prime}\) & 147.68 & 95BUMPER & \\
\hline SS & 196 & 6.00 & 2670 \({ }^{\circ}{ }^{\prime} 00^{\prime \prime}\) & \(89^{\circ} 24^{\prime} 31^{\prime \prime}\) & 146.72 & 95BUMPER & \\
\hline SS & 197 & 6.00 & \(267^{\circ} 40^{\prime} 26^{\prime \prime}\) & \(89^{\circ} 26^{\prime} 59^{\prime \prime}\) & 146.58 & 95BUMPER & \\
\hline SS & 198 & 6.00 & \(267^{\circ} 45^{\prime} 39^{\prime \prime}\) & \(89^{\circ} 27^{\prime} 46^{\prime \prime}\) & 148.10 & 95BUMPER & \\
\hline SS & 199 & 6.00 & 266 \({ }^{\circ} 53^{\prime 2} 1^{\prime \prime}\) & \(89^{\circ} 25^{\prime \prime} 15^{\prime \prime}\) & 151.68 & 99BLACKPL & \\
\hline SS & 200 & 6.00 & 269 \({ }^{\circ} 23^{\prime} 44{ }^{\prime \prime}\) & \(89^{\circ} 36^{\prime} 03^{\prime \prime}\) & 150.99 & 100BLACKP & \\
\hline SS & 201 & 6.00 & 269 \({ }^{\circ} 58^{\prime 1} 19^{\prime \prime}\) & \(89^{\circ} 41^{\prime 0} 09^{\prime \prime}\) & 157.84 & 101BLACKP & \\
\hline SS & 202 & 6.00 & 268 \({ }^{\circ} 0^{\prime} 21^{\prime \prime}\) & \(89^{\circ} 33^{\prime} 58^{\prime \prime}\) & 166.85 & 102BLACKP & \\
\hline SS & 203 & 6.00 & \(270^{\circ} 29^{\prime 2} 5^{\prime \prime}\) & \(89^{\circ} 52^{\prime 2} 6^{\prime \prime}\) & 173.32 & 103BODY & \\
\hline SS & 204 & 6.00 & \(270^{\circ} 40{ }^{\prime} 26^{\prime \prime}\) & \(89^{\circ} 55^{\prime} 01^{\prime \prime}\) & 171.33 & 103BODY & \\
\hline SS & 205 & 6.00 & \(270^{\circ} 30^{\prime} 10^{\prime \prime}\) & \(89^{\circ} 51^{\prime 0} 1^{\prime \prime}\) & 169.93 & 103BODY & \\
\hline SS & 206 & 6.00 & \(271^{\circ} 16^{\prime} 34^{\prime \prime}\) & \(89^{\circ} 57{ }^{\prime} 46^{\prime \prime}\) & 167.87 & 103BODY & \\
\hline SS & 207 & 6.00 & \(271^{\circ} 30^{\prime} 52^{\prime \prime}\) & \(90^{\circ} 02^{\prime} 00^{\prime \prime}\) & 169.02 & 103BODY & \\
\hline SS & 208 & 6.00 & \(271^{\circ} 45^{\prime 2} 8^{\prime \prime}\) & 9007'33" & 169.09 & 103BODY & \\
\hline SS & 209 & 6.00 & \(271^{\circ} 54^{\prime} 56^{\prime \prime}\) & 9009'32" & 170.00 & 103BODY & \\
\hline SS & 210 & 6.00 & \(271^{\circ} 44^{\prime} 46^{\prime \prime}\) & 9005'07" & 170.53 & 103BODY & \\
\hline SS & 211 & 6.00 & \(272^{\circ} 01^{\prime} 16^{\prime \prime}\) & \(90^{\circ} 14^{\prime} 43^{\prime \prime}\) & 172.28 & 103BODY & \\
\hline SS & 212 & 6.00 & \(271^{\circ} 48^{\prime} 32^{\prime \prime}\) & \(90^{\circ} 09^{\prime} 02^{\prime \prime}\) & 172.47 & 103BODY & \\
\hline SS & 213 & 6.00 & \(271^{\circ} 29^{\prime 2} 24^{\prime \prime}\) & \(90^{\circ} 00^{\prime 5} 55^{\prime \prime}\) & 170.91 & 103BODY & \\
\hline SS & 214 & 6.00 & 271 \({ }^{\circ} 07^{\prime} 02^{\prime \prime}\) & \(89^{\circ} 56^{\prime} 50^{\prime \prime}\) & 171.74 & 103BODY & \\
\hline SS & 215 & 6.00 & \(270^{\circ} 40^{\prime} 58^{\prime \prime}\) & \(89^{\circ} 53^{\prime} 55^{\prime \prime}\) & 173.36 & 103BODY & \\
\hline SS & 216 & 6.00 & 27651'31' & \(90^{\circ} 577^{\prime} 44^{\prime \prime}\) & 202.83 & 116LEG & \\
\hline SS & 217 & 6.00 & \(276{ }^{\circ} 49^{\prime} 33^{\prime \prime}\) & \(90^{\circ} 56^{\prime} 33^{\prime \prime}\) & 204.32 & 116LEG & \\
\hline SS & 218 & 6.00 & \(276^{\circ} 25^{\prime} 03^{\prime \prime}\) & \(90^{\circ} 56^{\prime} 39^{\prime \prime}\) & 205.63 & 116LEG & \\
\hline SS & 219 & 6.00 & \(276{ }^{\circ} 40^{\prime} 05^{\prime \prime}\) & \(90^{\circ} 55^{\prime} 50^{\prime \prime}\) & 206.12 & 116LEG & \\
\hline SS & 220 & 6.00 & 277 \({ }^{\circ} 02^{\prime 2} 0^{\prime \prime}\) & 90 \({ }^{\circ} 57^{\prime \prime} 55^{\prime \prime}\) & 204.60 & 116LEG & \\
\hline SS & 221 & 6.00 & \(277^{\circ} 04^{\prime} 05^{\prime \prime}\) & 9057'53" & 203.11 & 116LEG & \\
\hline SS & 222 & 6.00 & \(89^{\circ} 33^{\prime} 07^{\prime \prime}\) & 9017'08" & 1103.69 & SPEED & \\
\hline SS & 223 & 6.00 & \(90^{\circ} 23^{\prime} 41^{\prime \prime}\) & \(90^{\circ} 04^{\prime} 16^{\prime \prime}\) & 1104.14 & EP & \\
\hline SS & 224 & 6.00 & 91 \({ }^{\circ} 37^{\prime} 23^{\prime \prime}\) & \(89^{\circ} 59^{\prime} 56^{\prime \prime}\) & 1102.69 & CL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Job Desc & Crew & Inst Num & Temp & Pressure & Start Date & & \\
\hline SS & 225 & 6.00 & 92 \({ }^{\circ} 15^{\prime} 00^{\prime \prime}\) & \(90^{\circ} 01^{\prime} 01^{\prime \prime}\) & 1102.89 & FL & \\
\hline SS & 226 & 6.00 & \(92^{\circ} 30^{\prime 2} 2{ }^{\prime \prime}\) & \(90^{\circ} 02^{\prime} 17^{\prime \prime}\) & 1153.07 & EP & \\
\hline SS & 227 & 6.00 & 94*02'29" & \(90^{\circ} 00^{\prime} 59^{\prime \prime}\) & 735.34 & EP & \\
\hline SS & 228 & 6.00 & \(92^{\circ} 16^{\prime} 40^{\prime \prime}\) & \(89^{\circ} 56^{\prime} 33^{\prime \prime}\) & 721.55 & CL & \\
\hline SS & 229 & 6.00 & 91 \({ }^{\circ} 19^{\prime} 05^{\prime \prime}\) & \(89^{\circ} 58^{\prime} 18^{\prime \prime}\) & 721.02 & FL & \\
\hline SS & 230 & 6.00 & \(90^{\circ} 28^{\prime} 59^{\prime \prime}\) & \(90^{\circ} 02^{\prime 2} 9^{\prime \prime}\) & 721.81 & EP & \\
\hline SS & 231 & 6.00 & 9031'21' & \(90^{\circ} 02^{\prime} 24^{\prime \prime}\) & 610.09 & EP & \\
\hline SS & 232 & 6.00 & \(90^{\circ} 29^{\prime} 02^{\prime \prime}\) & \(90^{\circ} 00^{\prime} 50^{\prime \prime}\) & 589.20 & EP & \\
\hline SS & 233 & 6.00 & \(90^{\circ} 29^{\prime 2} 26^{\prime \prime}\) & \(90^{\circ} 00^{\prime} 22^{\prime \prime}\) & 581.63 & EP & \\
\hline SS & 234 & 6.00 & 9009'06" & \(90^{\circ} 02^{\prime} 28^{\prime \prime}\) & 576.53 & EP & \\
\hline SS & 235 & 6.00 & \(89^{\circ} 36^{\prime} 29^{\prime \prime}\) & \(90^{\circ} 04^{\prime \prime} 41^{\prime \prime}\) & 571.15 & EP & \\
\hline SS & 236 & 6.00 & 888 \({ }^{\circ} 54^{\prime} 49^{\prime \prime}\) & \(90^{\circ} 06^{\prime} 56^{\prime \prime}\) & 568.11 & EP & \\
\hline SS & 237 & 6.00 & \(88^{\circ} 10^{\prime} 13^{\prime \prime}\) & \(90^{\circ} 08^{\prime} 48^{\prime \prime}\) & 567.01 & EP & \\
\hline SS & 238 & 6.00 & 880 \(09^{\prime \prime} 52^{\prime \prime}\) & \(90^{\circ} 06^{\prime} 12^{\prime \prime}\) & 533.94 & EP & \\
\hline SS & 239 & 6.00 & 89 \({ }^{\circ} 15^{\prime} 36^{\prime \prime}\) & \(90^{\circ} 03^{\prime} 43^{\prime \prime}\) & 533.40 & EP & \\
\hline SS & 240 & 6.00 & \(89^{\circ} 59^{\prime 2} 24^{\prime \prime}\) & \(90^{\circ} 01^{\prime} 28^{\prime \prime}\) & 530.12 & EP & \\
\hline SS & 241 & 6.00 & \(90^{\circ} 31^{\prime} 34^{\prime \prime}\) & 89 \({ }^{\circ} 59^{\prime} 22^{\prime \prime}\) & 525.00 & EP & \\
\hline SS & 242 & 6.00 & \(90^{\circ} 31^{\prime} 45^{\prime \prime}\) & \(89^{\circ} 58^{\prime} 45^{\prime \prime}\) & 519.59 & EP & \\
\hline SS & 243 & 6.00 & 9140'04" & \(89^{\circ} 55^{\prime} 31^{\prime \prime}\) & 518.07 & FL & \\
\hline SS & 244 & 6.00 & \(94^{\circ} 21^{\prime \prime} 19^{\prime \prime}\) & \(89^{\circ} 55^{\prime} 20^{\prime \prime}\) & 516.40 & FL & \\
\hline SS & 245 & 6.00 & 94***'49" & \(90^{\circ} 01^{\prime} 00^{\prime \prime}\) & 605.20 & EP & \\
\hline SS & 246 & 6.00 & \(94^{\circ} 49^{\prime} 59^{\prime \prime}\) & \(90^{\circ} 00^{\prime} 16^{\prime \prime}\) & 596.07 & EP & \\
\hline SS & 247 & 6.00 & \(95^{\circ} 03^{\prime} 31^{\prime \prime}\) & \(90^{\circ} 00^{\prime} 15^{\prime \prime}\) & 588.29 & EP & \\
\hline SS & 248 & 6.00 & \(95^{\circ} 25^{\prime} 58^{\prime \prime}\) & \(90^{\circ} 01^{\prime} 55^{\prime \prime}\) & 582.45 & EP & \\
\hline SS & 249 & 6.00 & \(95^{\circ} 55^{\prime} 50^{\prime \prime}\) & 9002'49" & 577.03 & EP & \\
\hline SS & 250 & 6.00 & \(96^{\circ} 27^{\prime} 44^{\prime \prime}\) & \(90^{\circ} 02^{\prime} 50^{\prime \prime}\) & 573.37 & EP & \\
\hline SS & 251 & 6.00 & \(96^{\circ} 45^{\prime} 37^{\prime \prime}\) & \(90^{\circ} 02^{\prime} 58^{\prime \prime}\) & 571.23 & EP & \\
\hline SS & 252 & 6.00 & \(98^{\circ} 08^{\prime \prime} 06^{\prime \prime}\) & \(90^{\circ} 04^{\prime} 07^{\prime \prime}\) & 568.84 & EP & \\
\hline SS & 253 & 6.00 & \(98^{\circ} 44^{\prime} 37^{\prime \prime}\) & \(90^{\circ} 06^{\prime} 48^{\prime \prime}\) & 534.14 & EP & \\
\hline SS & 254 & 6.00 & 97*57'08" & \(90^{\circ} 05^{\prime} 10^{\prime \prime}\) & 530.09 & EP & \\
\hline SS & 255 & 6.00 & \(97^{\circ} 11^{\prime} 02^{\prime \prime}\) & \(90^{\circ} 04^{\prime} 00^{\prime \prime}\) & 523.93 & EP & \\
\hline SS & 256 & 6.00 & 96 \({ }^{\circ} 29^{\prime} 48^{\prime \prime}\) & \(90^{\circ} 03^{\prime} 07^{\prime \prime}\) & 515.12 & EP & \\
\hline SS & 257 & 6.00 & 96 \({ }^{\circ} 02^{\prime} 55^{\prime \prime}\) & \(90^{\circ} 01^{\prime} 42^{\prime \prime}\) & 504.90 & EP & \\
\hline SS & 258 & 6.00 & \(96^{\circ} 00^{\prime} 06^{\prime \prime}\) & \(90^{\circ} 01^{\prime} 45^{\prime \prime}\) & 495.21 & EP & \\
\hline SS & 259 & 6.00 & 95 \({ }^{\circ} 59^{\prime} 53^{\prime \prime}\) & \(89^{\circ} 59^{\prime \prime} 18^{\prime \prime}\) & 474.33 & EP & \\
\hline SS & 260 & 6.00 & \(96^{\circ} 24^{\prime 2} 2{ }^{\prime \prime}\) & \(89^{\circ} 58^{\prime} 41^{\prime \prime}\) & 441.16 & EP & \\
\hline SS & 261 & 6.00 & \(95^{\circ} 03^{\prime} 45^{\prime \prime}\) & \(89^{\circ} 53^{\prime} 54^{\prime \prime}\) & 438.07 & FL & \\
\hline SS & 262 & 6.00 & 93 \({ }^{\circ} 40^{\prime \prime} 12^{\prime \prime}\) & 89 \({ }^{\circ} 50^{\prime} 49^{\prime \prime}\) & 417.58 & CL & \\
\hline SS & 263 & 6.00 & \(92^{\circ} 00^{\prime 2} 0^{\prime \prime}\) & \(89^{\circ} 53^{\prime} 34^{\prime \prime}\) & 419.65 & FL & \\
\hline SS & 264 & 6.00 & 9036'35' & \(89^{\circ} 59^{\prime} 50\) & 444.42 & EP & \\
\hline SS & 265 & 6.00 & 90 \({ }^{\circ} 31^{\prime} 20^{\prime \prime}\) & \(90^{\circ} 00^{\prime} 01^{\prime \prime}\) & 435.44 & EP & \\
\hline SS & 266 & 6.00 & 89 \({ }^{\circ} 52^{\prime \prime} 35^{\prime \prime}\) & \(90^{\circ} 03^{\prime} 45^{\prime \prime}\) & 424.55 & EP & \\
\hline SS & 267 & 6.00 & 89 \({ }^{\circ} 11^{\prime \prime} 01^{\prime \prime}\) & \(90^{\circ} 06^{\prime 2} 1^{\prime \prime}\) & 418.94 & EP & \\
\hline SS & 268 & 6.00 & \(88^{\circ} 23^{\prime} 06^{\prime \prime}\) & \(90^{\circ} 08^{\prime} 19^{\prime \prime}\) & 414.01 & EP & \\
\hline SS & 269 & 6.00 & 86 \({ }^{\circ} 31^{\prime} 23^{\prime \prime}\) & 90ำ1'23" & 406.50 & EP & \\
\hline SS & 270 & 6.00 & \(84^{\circ} 49^{\prime} 36^{\prime \prime}\) & \(90^{\circ} 13^{\prime} 39^{\prime \prime}\) & 405.33 & EP & \\
\hline SS & 271 & 6.00 & \(83^{\circ} 21^{\prime} 33^{\prime \prime}\) & \(90^{\circ} 18^{\prime} 01^{\prime \prime}\) & 406.60 & EP & \\
\hline SS & 272 & 6.00 & 83009'54" & \(90^{\circ} 20^{\prime} 34^{\prime \prime}\) & 383.59 & EP & \\
\hline SS & 273 & 6.00 & \(87^{\circ} 01^{\prime} 30^{\prime \prime}\) & \(90^{\circ} 09^{\prime} 41^{\prime \prime}\) & 380.85 & EP & \\
\hline SS & 274 & 6.00 & \(88^{\circ} 08^{\prime \prime} 11^{\prime \prime}\) & \(90^{\circ} 06^{\prime} 20^{\prime \prime}\) & 379.71 & EP & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Job Desc & Crew & Inst Num & Temp & Pressure & Start Date & & \\
\hline SS & 275 & 6.00 & \(89^{\circ} 04^{\prime} 56^{\prime \prime}\) & \(90^{\circ} 02^{\prime} 56^{\prime \prime}\) & 376.61 & EP & \\
\hline SS & 276 & 6.00 & \(89^{\circ} 48^{\prime} 54^{\prime \prime}\) & \(90^{\circ} 00^{\prime} 38^{\prime \prime}\) & 373.00 & EP & \\
\hline SS & 277 & 6.00 & \(90^{\circ} 18^{\prime} 10^{\prime \prime}\) & 89 \({ }^{\circ} 59^{\prime} 01^{\prime \prime}\) & 369.39 & EP & \\
\hline SS & 278 & 6.00 & \(90^{\circ} 32^{\prime} 44^{\prime \prime}\) & \(89^{\circ} 57^{\prime} 27^{\prime \prime}\) & 359.65 & EP & \\
\hline SS & 279 & 6.00 & \(90^{\circ} 46^{\prime} 55^{\prime \prime}\) & 89 \({ }^{\circ} 57{ }^{\prime} 14^{\prime \prime}\) & 339.59 & EP & \\
\hline SS & 280 & 6.00 & \(92^{\circ} 21^{\prime} 45^{\prime \prime}\) & \(89^{\circ} 50^{\prime} 36^{\prime \prime}\) & 339.49 & FL & \\
\hline SS & 281 & 6.00 & \(94^{\circ} 23^{\prime} 54^{\prime \prime}\) & \(89^{\circ} 47^{\prime} 03^{\prime \prime}\) & 338.39 & CL & \\
\hline SS & 282 & 6.00 & \(96^{\circ} 26^{\prime} 19^{\prime \prime}\) & \(89^{\circ} 50^{\prime} 43^{\prime \prime}\) & 337.59 & FL & \\
\hline SS & 283 & 6.00 & \(98^{\circ} 15^{\prime} 09^{\prime \prime}\) & \(89^{\circ} 57^{\prime} 35^{\prime \prime}\) & 337.23 & EP & \\
\hline SS & 284 & 6.00 & \(94^{\circ} 40^{\prime} 46^{\prime \prime}\) & \(89^{\circ} 46^{\prime} 13^{\prime \prime}\) & 309.12 & LINE & \\
\hline SS & 285 & 6.00 & \(91^{\circ} 31^{\prime} 07^{\prime \prime}\) & \(89^{\circ} 53^{\prime} 33^{\prime \prime}\) & 307.30 & LINE & \\
\hline SS & 286 & 6.00 & \(90^{\circ} 38^{\prime} 14^{\prime \prime}\) & \(89^{\circ} 58^{\prime} 07^{\prime \prime}\) & 260.75 & EP & \\
\hline SS & 287 & 6.00 & \(92^{\circ} 41^{\prime \prime} 13^{\prime \prime}\) & \(89^{\circ} 46^{\prime} 05^{\prime \prime}\) & 259.11 & R & \\
\hline SS & 288 & 6.00 & \(92^{\circ} 59^{\prime} 18^{\prime \prime}\) & \(89^{\circ} 45^{\prime} 21^{\prime \prime}\) & 259.43 & FL & \\
\hline SS & 289 & 6.00 & \(95^{\circ} 38^{\prime} 05^{\prime \prime}\) & \(89^{\circ} 40^{\prime} 37^{\prime \prime}\) & 259.04 & CL & \\
\hline SS & 290 & 6.00 & 98¹8'39" & \(89^{\circ} 45^{\prime} 10^{\prime \prime}\) & 258.56 & FL & \\
\hline SS & 291 & 6.00 & 100³9'30' & \(89^{\circ} 55^{\prime} 26^{\prime \prime}\) & 261.24 & EP & \\
\hline SS & 292 & 6.00 & \(123^{\circ} 53^{\prime} 18^{\prime \prime}\) & \(89^{\circ} 29^{\prime} 56^{\prime \prime}\) & 85.20 & EP & \\
\hline SS & 293 & 6.00 & \(117^{\circ} 23^{\prime} 28^{\prime \prime}\) & \(88^{\circ} 53^{\prime} 38^{\prime \prime}\) & 78.98 & FL & \\
\hline SS & 294 & 6.00 & \(108^{\circ} 57^{\prime 2} 28^{\prime \prime}\) & \(88^{\circ} 34^{\prime} 46^{\prime \prime}\) & 74.47 & CL & \\
\hline SS & 295 & 6.00 & \(116^{\circ} 06^{\prime} 25^{\prime \prime}\) & \(88^{\circ} 02^{\prime} 36^{\prime \prime}\) & 55.18 & CL & \\
\hline SS & 296 & 6.00 & 99 \({ }^{\circ} 57^{\prime \prime} 15^{\prime \prime}\) & \(88^{\circ} 46^{\prime} 27^{\prime \prime}\) & 71.18 & FL & \\
\hline SS & 297 & 6.00 & \(99^{\circ} 09^{\prime} 40^{\prime \prime}\) & \(88^{\circ} 47^{\prime} 23^{\prime \prime}\) & 69.79 & R & \\
\hline SS & 298 & 6.00 & \(91^{\circ} 39^{\prime} 00^{\prime \prime}\) & \(89^{\circ} 25^{\prime} 42^{\prime \prime}\) & 69.37 & EP & \\
\hline SS & 299 & 6.00 & \(81^{\circ} 03^{\prime} 25^{\prime \prime}\) & \(92^{\circ} 27^{\prime} 51{ }^{\prime \prime}\) & 73.66 & NOPASSING & \\
\hline SS & 300 & 6.00 & \(46^{\circ} 00^{\prime} 04^{\prime \prime}\) & \(95^{\circ} 31\) '33" & 35.46 & HAYBALE & \\
\hline SS & 301 & 6.00 & \(39^{\circ} 28^{\prime} 41^{\prime \prime}\) & \(94^{\circ} 10^{\prime} 51^{\prime \prime}\) & 38.68 & HAYBALE & \\
\hline SS & 302 & 6.00 & \(33^{\circ} 56^{\prime} 00^{\prime \prime}\) & 94* \(49^{\prime} 36^{\prime \prime}\) & 35.23 & HAYBALE & \\
\hline SS & 303 & 6.00 & \(40^{\circ} 13^{\prime} 02^{\prime \prime}\) & \(96^{\circ} 22^{\prime} 32^{\prime \prime}\) & 31.31 & HAYBALE & \\
\hline SS & 304 & 6.00 & 268 \({ }^{\circ} 51^{\prime} 02{ }^{\prime \prime}\) & \(88^{\circ} 32^{\prime} 28^{\prime \prime}\) & 31.44 & EP & \\
\hline SS & 305 & 6.00 & \(252^{\circ} 26^{\prime} 14^{\prime \prime}\) & \(87^{\circ} 24^{\prime} 16^{\prime \prime}\) & 34.36 & R & \\
\hline SS & 306 & 6.00 & 250 \({ }^{\circ} 6^{\prime \prime} 59^{\prime \prime}\) & \(87^{\circ} 22^{\prime 1} 5^{\prime \prime}\) & 35.08 & FL & \\
\hline SS & 307 & 6.00 & \(231^{\circ} 41^{\prime} 00^{\prime \prime}\) & \(87^{\circ} 10^{\prime} 37^{\prime \prime}\) & 38.53 & CL & \\
\hline SS & 308 & 6.00 & \(220^{\circ} 18^{\prime} 48^{\prime \prime}\) & \(88^{\circ} 04^{\prime} 09^{\prime \prime}\) & 46.95 & FL & \\
\hline SS & 309 & 6.00 & \(213^{\circ} 04^{\prime \prime} 13^{\prime \prime}\) & \(89^{\circ} 19^{\prime} 46^{\prime \prime}\) & 55.93 & EP & \\
\hline SS & 310 & 6.00 & \(247^{\circ} 29^{\prime} 16^{\prime \prime}\) & 89 \({ }^{\circ} 40^{\prime} 17^{\prime \prime}\) & 120.30 & EP & \\
\hline SS & 311 & 6.00 & \(251{ }^{\circ} 35^{\prime} 16^{\prime \prime}\) & \(89^{\circ} 10^{\prime} 53^{\prime \prime}\) & 111.76 & FL & \\
\hline SS & 312 & 6.00 & 25803'55' & \(89^{\circ} 00^{\prime} 18^{\prime \prime}\) & 112.38 & CL & \\
\hline SS & 313 & 6.00 & 264*07'53' & \(89^{\circ} 09^{\prime} 15^{\prime \prime}\) & 110.92 & FL & \\
\hline SS & 314 & 6.00 & 264*52'20' & 89 \({ }^{\circ} 11^{\prime} 46^{\prime \prime}\) & 111.13 & R & \\
\hline SS & 315 & 6.00 & 269*31'02' & \(89^{\circ} 33^{\prime \prime} 13^{\prime \prime}\) & 110.26 & EP & \\
\hline SS & 316 & 6.00 & \(269^{\circ} 57^{\prime} 06^{\prime \prime}\) & \(89^{\circ} 42^{\prime} 17^{\prime \prime}\) & 189.52 & EP & \\
\hline SS & 317 & 6.00 & \(267^{\circ} 07^{\prime} 36^{\prime \prime}\) & \(89^{\circ} 29^{\prime} 51{ }^{\prime \prime}\) & 190.39 & R & \\
\hline SS & 318 & 6.00 & \(266^{\circ} 41^{\prime} 01^{\prime \prime}\) & \(89^{\circ} 28^{\prime} 57^{\prime \prime}\) & 190.24 & FL & \\
\hline SS & 319 & 6.00 & \(263^{\circ} 10^{\prime} 39^{\prime \prime}\) & \(89^{\circ} 23^{\prime} 54^{\prime \prime}\) & 191.07 & CL & \\
\hline SS & 320 & 6.00 & \(259^{\circ} 41^{\prime} 42^{\prime \prime}\) & \(89^{\circ} 30^{\prime \prime} 15^{\prime \prime}\) & 193.55 & FL & \\
\hline SS & 321 & 6.00 & \(256^{\circ} 46^{\prime} 45^{\prime \prime}\) & \(89^{\circ} 44^{\prime} 35^{\prime \prime}\) & 197.07 & EP & \\
\hline SS & 322 & 6.00 & \(260^{\circ} 29^{\prime} 54^{\prime \prime}\) & \(89^{\circ} 47^{\prime} 28^{\prime \prime}\) & 273.00 & EP & \\
\hline SS & 323 & 6.00 & 262²4 \({ }^{\prime} 11^{\prime \prime}\) & \(89^{\circ} 36^{\prime} 52^{\prime \prime}\) & 269.54 & FL & \\
\hline SS & 324 & 6.00 & 265 \({ }^{\circ} 17^{\prime \prime} 11^{\prime \prime}\) & \(89^{\circ} 32^{\prime} 58^{\prime \prime}\) & 270.49 & CL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Job Desc & Crew & Inst Num & Temp & Pressure & Start Date & & \\
\hline SS & 325 & 6.00 & 267** \(7^{\prime} 31^{\prime \prime}\) & \(89^{\circ} 36^{\prime} 28^{\prime \prime}\) & 269.52 & FL & \\
\hline SS & 326 & 6.00 & 268 \(03^{\prime} 22^{\prime \prime}\) & \(89^{\circ} 37^{\prime \prime} 13^{\prime \prime}\) & 269.06 & R & \\
\hline SS & 327 & 6.00 & 270 \(03^{\prime} 47^{\prime \prime}\) & \(89^{\circ} 45^{\prime} 27^{\prime \prime}\) & 269.06 & EP & \\
\hline SS & 328 & 6.00 & \(270^{\circ} 08^{\prime} 52^{\prime \prime}\) & \(89^{\circ} 48^{\prime} 57{ }^{\prime \prime}\) & 349.45 & EP & \\
\hline SS & 329 & 6.00 & \(268^{\circ} 38^{\prime} 55^{\prime \prime}\) & \(89^{\circ} 41^{\prime} 32^{\prime \prime}\) & 350.29 & R & \\
\hline SS & 330 & 6.00 & \(268^{\circ} 22^{\prime} 32^{\prime \prime}\) & \(89^{\circ} 41^{\prime} 03^{\prime \prime}\) & 350.48 & FL & \\
\hline SS & 331 & 6.00 & \(266^{\circ} 26^{\prime} 57^{\prime \prime}\) & \(89^{\circ} 38^{\prime} 21^{\prime \prime}\) & 349.99 & CL & \\
\hline SS & 332 & 6.00 & \(264^{\circ} 29^{\prime} 42^{\prime \prime}\) & \(89^{\circ} 41^{\prime} 42^{\prime \prime}\) & 351.15 & FL & \\
\hline SS & 333 & 6.00 & \(262^{\circ} 48^{\prime} 40\) " & \(89^{\circ} 49^{\prime} 33^{\prime \prime}\) & 353.43 & EP & \\
\hline SS & 334 & 6.00 & \(274^{\circ} 12^{\prime} 09^{\prime \prime}\) & \(90^{\circ} 27^{\prime} 12^{\prime \prime}\) & 373.59 & HAYBALE & \\
\hline SS & 335 & 6.00 & \(274^{\circ} 07^{\prime} 04^{\prime \prime}\) & \(90^{\circ} 27^{\prime} 02^{\prime \prime}\) & 379.04 & HAYBALE & \\
\hline SS & 336 & 6.00 & \(274^{\circ} 55^{\prime} 00^{\prime \prime}\) & \(90^{\circ} 24^{\prime} 23^{\prime \prime}\) & 379.58 & HAYBALE & \\
\hline SS & 337 & 6.00 & \(275{ }^{\circ} 01^{\prime} 06^{\prime \prime}\) & \(90^{\circ} 24^{\prime} 23^{\prime \prime}\) & 374.47 & HAYBALE & \\
\hline SS & 338 & 6.00 & 99 \({ }^{\circ} 12^{\prime} 57^{\prime \prime}\) & \(88^{\circ} 38^{\prime} 26^{\prime \prime}\) & 60.83 & SKID & \\
\hline SS & 339 & 6.00 & \(105^{\circ} 58^{\prime} 48^{\prime \prime}\) & \(87^{\circ} 31^{\prime} 59^{\prime \prime}\) & 34.59 & SKID & \\
\hline SS & 340 & 6.00 & \(117^{\circ} 52^{\prime} 39{ }^{\prime \prime}\) & \(85^{\circ} 48^{\prime} 03^{\prime \prime}\) & 20.39 & SKID & \\
\hline SS & 341 & 6.00 & \(166^{\circ} 44^{\prime} 26^{\prime \prime}\) & \(80^{\circ} 55^{\prime} 23^{\prime \prime}\) & 9.43 & SKID & \\
\hline SS & 342 & 6.00 & \(241^{\circ} 29^{\prime} 18^{\prime \prime}\) & \(85^{\circ} 20^{\prime} 11^{\prime \prime}\) & 18.35 & SKID & \\
\hline SS & 343 & 6.00 & 254 \({ }^{\circ} 06^{\prime} 49^{\prime \prime}\) & \(87^{\circ} 15^{\prime} 31^{\prime \prime}\) & 30.80 & SKID & \\
\hline SS & 344 & 6.00 & 26014'22" & \(88^{\circ} 16^{\prime} 06^{\prime \prime}\) & 48.18 & SKID & \\
\hline SS & 345 & 6.00 & \(263^{\circ} 19{ }^{\prime} 46^{\prime \prime}\) & \(88^{\circ} 44^{\prime} 27^{\prime \prime}\) & 65.52 & SKID & \\
\hline SS & 346 & 6.00 & \(265^{\circ} 00^{\prime} 14^{\prime \prime}\) & 89 \({ }^{\circ} 00^{\prime} 42^{\prime \prime}\) & 81.10 & SKID & \\
\hline SS & 347 & 6.00 & \(266^{\circ} 37^{\prime} 36^{\prime \prime}\) & \(89^{\circ} 13^{\prime} 21^{\prime \prime}\) & 99.54 & SKID & \\
\hline SS & 348 & 6.00 & \(267^{\circ} 28^{\prime} 03^{\prime \prime}\) & \(89^{\circ} 21^{\prime} 00^{\prime \prime}\) & 113.91 & SKID & \\
\hline SS & 349 & 6.00 & 267* \(44^{\prime} 43^{\prime \prime}\) & \(89^{\circ} 23^{\prime} 02^{\prime \prime}\) & 118.14 & SKID & \\
\hline SS & 350 & 6.00 & \(138^{\circ} 00^{\prime} 58^{\prime \prime}\) & \(85^{\circ} 40^{\prime 2} 2{ }^{\prime \prime}\) & 22.95 & SKID & \\
\hline SS & 351 & 6.00 & \(176{ }^{\circ} 46^{\prime} 43^{\prime \prime}\) & \(84^{\circ} 04^{\prime} 16^{\prime \prime}\) & 16.74 & SKID & \\
\hline SS & 352 & 6.00 & \(215^{\circ} 35^{\prime} 01^{\prime \prime}\) & \(85^{\circ} 00^{\prime} 15^{\prime \prime}\) & 19.79 & SKID & \\
\hline SS & 353 & 6.00 & \(238^{\circ} 28^{\prime} 39^{\prime \prime}\) & \(86^{\circ} 48^{\prime} 32^{\prime \prime}\) & 30.66 & SKID & \\
\hline SS & 354 & 6.00 & \(249^{\circ} 21^{\prime} 44^{\prime \prime}\) & \(87^{\circ} 47^{\prime} 33^{\prime \prime}\) & 44.21 & SKID & \\
\hline SS & 355 & 6.00 & \(255^{\circ} 54{ }^{\prime 2} 2{ }^{\prime \prime}\) & \(88^{\circ} 27^{\prime} 59^{\prime \prime}\) & 63.46 & SKID & \\
\hline SS & 356 & 6.00 & \(259^{\circ} 32^{\prime} 26^{\prime \prime}\) & 8847'19" & 79.65 & SKID & \\
\hline SS & 357 & 6.00 & \(0^{\circ} 21^{\prime \prime} 42^{\prime \prime}\) & \(99^{\circ} 09^{\prime} 14^{\prime \prime}\) & 19.93 & RM & \\
\hline Note & \multicolumn{7}{|l|}{--Evidence Recorder v 9.0.9.7 (2014-03-19)} \\
\hline Note & \multicolumn{7}{|l|}{--Instrument Selected: Type=Total Station,Profile=TCR407,Model=TPS Series (GSI)} \\
\hline Note & \multicolumn{7}{|l|}{\multirow[t]{2}{*}{--EDM Mode: IR Standard
--Application Prism: 0.0 mm Instrument Prism: 0.0 mm}} \\
\hline Note & & & & & & & \\
\hline Note & \multicolumn{7}{|l|}{-Resection} \\
\hline Store Pt Type & Pt Num & X & Y & Z & Desc & & \\
\hline SP & 1 & 0.000 & 0.000 & 0.000 & RP & & \\
\hline SP & 99 & 0.000 & 19.632 & -3.819 & RM1 & & \\
\hline Note & \multicolumn{7}{|l|}{--Resection Obs: Horz-Yes Vert-Yes} \\
\hline \multicolumn{8}{|l|}{\[
\begin{aligned}
& \text { Inst Ht } \\
& 5.63 \\
& \hline
\end{aligned}
\]} \\
\hline To Pt & Targ Ht & CR & Vt Ang & Slope & & & \\
\hline 1 & 6.00 & 29941'07" & 90²3'38' & 72.86 & & & \\
\hline Note & \multicolumn{7}{|l|}{--Resection Obs: Horz-Yes Vert-Yes} \\
\hline To Pt & Targ Ht & CR & Vt Ang & Slope & & & \\
\hline 99 & 6.00 & \(311^{\circ} 07^{\prime} 38^{\prime \prime}\) & 92 \({ }^{\circ} 55^{\prime 2} 6^{\prime \prime}\) & 84.60 & & & \\
\hline Note & \multicolumn{7}{|l|}{--Resection Pnt: StdDevN=0.48' StdDevE=0.55'} \\
\hline
\end{tabular}


\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Job Desc & Crew & Inst Num & Temp & Pressure & Start Date & & \\
\hline SS & 399 & 6.00 & \(252^{\circ} 37^{\prime} 04^{\prime \prime}\) & \(90^{\circ} 16^{\prime} 00^{\prime \prime}\) & 89.68 & QUAD & \\
\hline SS & 400 & 6.00 & \(253^{\circ} 24^{\prime} 39^{\prime \prime}\) & \(90^{\circ} 09^{\prime} 33^{\prime \prime}\) & 104.53 & QUAD & \\
\hline SS & 401 & 6.00 & \(259{ }^{\circ} 47^{\prime} 47^{\prime \prime}\) & \(89^{\circ} 41^{\prime} 26^{\prime \prime}\) & 113.95 & OS QUAD & \\
\hline SS & 402 & 6.00 & 252* \({ }^{\circ}{ }^{\prime} 49^{\prime \prime}\) & \(90^{\circ} 10^{\prime} 45^{\prime \prime}\) & 80.29 & 1ST CHIO & \\
\hline SS & 403 & 6.00 & \(166^{\circ} 00^{\prime} 27^{\prime \prime}\) & \(100^{\circ} 35^{\prime} 03^{\prime \prime}\) & 19.84 & RM6 & \\
\hline Note & \multicolumn{7}{|l|}{--Evidence Recorder v 9.0.9.7 (2014-03-19)} \\
\hline Note & \multicolumn{7}{|l|}{--Instrument Selected: Type=Total Station,Profile=TCR407,Model=TPS Series (GSI)} \\
\hline Note & \multicolumn{7}{|l|}{\multirow[t]{2}{*}{--EDM Mode: IR Standard
--Application Prism: 0.0 mm Instrument Prism: 0.0 mm}} \\
\hline Note & & & & & & & \\
\hline Note & \multicolumn{7}{|l|}{--Resection} \\
\hline Store Pt Type & Pt Num & X & Y & Z & Desc & & \\
\hline SP & 1 & 0.000 & 0.000 & 0.000 & RP & & \\
\hline SP & 358 & 62.245 & -37.686 & 0.869 & SEC2 & & \\
\hline SP & 377 & 62.686 & -17.663 & 1.073 & RM2 & & \\
\hline Note Inst Ht & \multicolumn{7}{|l|}{--Resection Obs: Horz-Yes Vert-Yes} \\
\hline \multicolumn{8}{|l|}{5.22} \\
\hline To Pt & Targ Ht & CR & Vt Ang & Slope & & & \\
\hline 1 & \multicolumn{7}{|l|}{\multirow[t]{2}{*}{\begin{tabular}{l|l|l|l}
6.00 & \(80^{\circ} 31^{\prime} 00^{\prime \prime}\) & \(89^{\circ} 02^{\prime} 34^{\prime \prime}\) & 63.84
\end{tabular}}} \\
\hline Note & \multicolumn{6}{|l|}{--Resection Obs: Horz-Yes Vert-Yes} & \\
\hline To Pt & Targ Ht & CR & Vt Ang & Slope & & & \\
\hline 358 & \multicolumn{7}{|l|}{\multirow[t]{2}{*}{\begin{tabular}{l|l|l|l|}
\hline 6.00 & \(352^{\circ} 10^{\prime} 29^{\prime \prime}\) & \(87^{\circ} 00^{\prime} 33^{\prime \prime}\) & 36.97 \\
-- Resection Obs: Horz-Yes Vert-Yes &
\end{tabular}}} \\
\hline Note & & & & & & & \\
\hline To Pt & Targ Ht & CR & Vt Ang & Slope & & & \\
\hline 377 & 6.00 & \(353^{\circ} 08^{\prime} 05^{\prime \prime}\) & 82 \({ }^{\circ} 57^{\prime} 42^{\prime \prime}\) & 17.00 & & & \\
\hline Note & \multicolumn{7}{|l|}{--Resection Pnt: StdDevN=0.21' StdDevE=0.07'} \\
\hline Pt Num & \multicolumn{7}{|l|}{} \\
\hline 404 & \multicolumn{7}{|l|}{} \\
\hline Store Pt Type SP & Pt Num
404 & \[
\begin{aligned}
& \hline X \\
& 63.621
\end{aligned}
\] & \[
\begin{aligned}
& \hline Y \\
& -0.550
\end{aligned}
\] & \[
\begin{aligned}
& \hline \mathrm{Z} \\
& -0.266
\end{aligned}
\] & Desc
RP11/3 & & \\
\hline Note & \multicolumn{7}{|l|}{--Orientation} \\
\hline Occupied Pt & BS Pt & BS Azm & BS Read & Inst Ht & & & \\
\hline 404 & 1 & & \(80^{\circ} 31^{\prime} 00^{\prime \prime}\) & 5.22 & & & \\
\hline Note & \multicolumn{7}{|l|}{--Orientation Notes} \\
\hline Note & \multicolumn{7}{|l|}{-- Observed Values: HA 80³1'00" VA 8902'34" SD 63.84' HD 63.83' HR 6.00'} \\
\hline Note & \multicolumn{7}{|l|}{\multirow[t]{2}{*}{\begin{tabular}{l}
-- Observed Reference: Point \\
-- Distance Calculated: 63.62'
\end{tabular}}} \\
\hline Note & & & & & & & \\
\hline Note & \multicolumn{7}{|l|}{-- Distance Error: 0.21'} \\
\hline Note & \multicolumn{7}{|l|}{-- BS Elevation: 0.02'} \\
\hline Note & \multicolumn{7}{|l|}{-- BS Elevation Error: 0.02'} \\
\hline Shot Type & Shot Pt & Targ Ht & Hz Ang & Vt Ang & SIp Dist & Desc & \\
\hline SS & 405 & 6.00 & \(23^{\circ} 35^{\prime} 43^{\prime \prime}\) & \(89^{\circ} 39^{\prime} 37^{\prime \prime}\) & 116.61 & MISSION SI & \\
\hline SS & 406 & 6.00 & \(70^{\circ} 11^{\prime} 33^{\prime \prime}\) & \(90^{\circ} 04^{\prime} 07^{\prime \prime}\) & 548.43 & MISSION SI & \\
\hline SS & 407 & 6.00 & \(80^{\circ} 13^{\prime} 11^{\prime \prime}\) & \(89^{\circ} 48^{\prime} 27^{\prime \prime}\) & 665.92 & ANALYSIS F & \\
\hline SS & 408 & 6.00 & \(81^{\circ} 53^{\prime} 28^{\prime \prime}\) & \(90^{\circ} 09^{\prime} 37^{\prime \prime}\) & 258.94 & D POST & \\
\hline
\end{tabular}


> Joseph Boever fatal crash Jason Ravnsborg investigation
> September 12, 2020
> US 14 MM 278, Hyde County Case\#: HP20004565CR
> Investigated by: ND Bureau of Criminal Investigation Mapped by: Trooper John Berndt






\section*{This is a supplemental report to the original crash report submitted on November 24, 2020.}

At the time of this report, North Dakota Bureau of Criminal Investigation has received the information from the warrants requesting information from Verizon, Yahoo and Google. BCI later reviewed the information received from the search warrants and determined there was no additional information relating to the fatal crash. On November 25, 2020 I filed requests to seal the affidavits with Judge Bobbi Rank. Judge Rank granted the requests and signed the Orders to Seal. The information was filed with the Hyde County Clerk of Courts.

On December 1, 2020 I was informed BCl was able to see Mr. Ravnsborg's vehicle, just prior to the crash, in video clip ( CHO1_2020-09-12_221808_2020-09-12_221847_IDO82171.AVI ) from the Hall Oil and Gas video in Highmore. BCI Agent Arnie Rummel emailed the video clip to me on December \({ }^{1 \text { st }}\). Agent Rummel informed me the video recorded at 6 frames per second. I reviewed the video and determined several points in the video I could locate to determine a time and distance of Mr. Ravnsborg's vehicle as it traveled past.
- The east pillar of the canopy.
- The Shell gas station road sign
- The west gas pump.

Using Cyberlink Power Director 16 software I was able to analyze the video. Cyberlink software analyzes video as 30 frames per second. With the difference between the recorded frames per second and the analyzed frames per second the command to advance is required 5 times for one frame. In analyzing the video with the software, I found this to be accurate in comparison to the original format of 6 frames per second.

While analyzing the video I determined the headlights of Mr. Ravnsborg's vehicle disappeared from behind the east gas pump, reappeared after the east gas pump and east support, disappeared behind the Shell road sign, reappeared after the sign, disappeared behind the west gas pump and reappeared after the west gas pump.


Figure 1: Hall Oil and Gas pumping stations
Using the software, I determined the following:
- Mr. Ravnsborg vehicle traveled 45 frames after appearing from the west side of the east support pillar to the west side of the Shell sign.
- I determined the time would be 1.5 seconds \((45 / 30=1.5)\)
- Mr. Ravnsborg's vehicle traveled 20 frames after appearing from the west side of the Shell sign to the west side of the west gas pump.
- I determined the time would be 0.66 seconds \((20 / 30=0.66)\)
- The total amount of frames between Mr. Ravnsborg's vehicle appearing from the west side of the east support pillar until the time his vehicle appeared from the west side of the west gas pump was 65 frames.
- I determined the time would be 2.16 seconds \((65 / 30=2.16)\)

On December 2, 2020, I traveled to Hall Oil and Gas in Highmore. As discussed in the first report the video surveillance system from Hall Oil and Gas had been removed. I spoke with store manager Noah Hall and asked him about the old surveillance camera location. Mr. Hall informed me the new camera was in the same location as the old camera. I determined the camera that took the video of Mr. Ravnsborg's vehicle passing by on September \(12^{\text {th }}\) was located under the front soffit on the northwest corner of the building.

I stood under the camera as Trooper Nathan Moore drove his patrol vehicle west in the westbound lane of US Hwy 14. As Trooper Moore traveled west I maintained communication with him via cellphone. As Trooper Moore's vehicle came into view from the east support pillar I told him to stop. Trooper Moore stopped, exited his patrol vehicle and painted a green line across the roadway under the front edge of his front bumper. Trooper Moore and I repeated this process on the west side of the Shell sign and the west side of the west gas pump.

After Trooper Moore marked the roadway, we measured the distance between the markings. We determined the following distances:
- West edge of east gas pump mark to west edge of Shell sign mark \(=106\) feet 7 inches (106.58feet)
- West edge of Shell sign mark to west side of gas pump mark \(=42\) feet 11 inches (42.91feet)
- Total distance from west edge of east gas pump mark to west side of gas pump mark = 149.49 feet

Based on the determined times and distances I calculated the following speeds of Mr. Ravnsborg's vehicle:

Distance (D) \(=106.58\) feet
Time ( t ) \(=1.5\) seconds
Velocity ( V ) \(=71.05 \mathrm{FPS}\)
Speed (S) \(=48.46 \mathrm{MPH}\)
\[
\begin{gathered}
V=\frac{D}{t} \\
V=\frac{106.58}{1.5} \\
V=71.05 F P S \\
S=\frac{V}{1.466} \\
S=\frac{71.05}{1.466} \\
S=48.46 M P H
\end{gathered}
\]

Equation 1: East support to Shell sign

Distance \((D)=42.91\) feet
Time ( t ) \(=0.66\) seconds
Velocity (V) \(=65.01 \mathrm{FPS}\)
Speed \((\mathrm{S})=44.34 \mathrm{MPH}\)
\[
\begin{gathered}
V=\frac{D}{t} \\
V=\frac{42.91}{0.66} \\
V=65.01 F P S \\
S=\frac{V}{1.466} \\
S=\frac{65.01}{1.466} \\
S=44.34 M P H
\end{gathered}
\]

Distance ( D ) \(=149.5\) feet
Time ( t ) \(=2.16\) seconds Velocity \((\mathrm{V})=69.21 \mathrm{FPS}\) Speed (S) \(=47.21 \mathrm{MPH}\)
\[
\begin{gathered}
V=\frac{D}{t} \\
V=\frac{149.5}{2.16} \\
V=69.21 \mathrm{FPS} \\
S=\frac{V}{1.466} \\
S=\frac{69.21}{1.466} \\
S=47.21 \mathrm{MPH}
\end{gathered}
\]

Equation 3: East support to west pump
The ideal method of determining speed from video is to use the original recording system with the same viewing angles, that was not possible in this situation. Based on the methods used to determine the distances, times and speeds there is the possibility for variance. However, with three separate measurements using the described methods I was able to calculate a range of 44.34MPH to 48.46 MPH , this range of speeds is reasonable.

In the previous report, I used the Apple iOS Full File system_2020-11-02_Report to determine Mr. Ravnsborg's vehicle speeds. From that information, I determined Mr. Ravnsborg's vehicle speed across SD Hwy 47 and westbound past Hall Oil and Gas to be 46.82 MPH to 50.42 MPH . All the calculated speeds are reasonable and consistent.

On December 2, 2020, I used an electronic smart level to determine the slope of the crown on the westbound lane and north shoulder along US Hwy 14. I determined the following:
- Westbound lane \(=1.68^{\circ}\), sloping down to the north
- Maintained portion of north shoulder \(=2.8^{\circ}\), sloping down to the north
- Unmaintained portion of the north shoulder \(=5.5^{\circ}\), sloping down to the north

Mr. Ravnsborg informed BCI the phone number was serviced by Verizon. A warrant was sent to Verizon on October 2, 2020 for phone number . The information returned to BCl from Verizon indicated the phone was not serviced by Verizon. BCl informed me the phone was in fact Mr. Ravnsborg's work phone number. I contacted the Bureau of Information and Technology to request the service provider for , BIT informed me the service provider was AT\&T FirstNet. On December 2, 2020 I submitted an affidavit in request of search warrant to Judge Rank. Judge Rank granted the request. On December 2, 2020 BCl served the warrant to AT\&T FirstNet. Later that same day, BCl received the requested information from AT\&T. BCI provided me with that information the same day. In reviewing the information, I did not observe any information that contradicted previous
findings from the investigation. On December 3, 2020 I requested the information with the Affidavit to be sealed, Judge Rank granted that request.

Trooper John Berndt
South Dakota Highway Patrol

STATE OF SOUTH DAKOTA)
PLAINTIFF, )
VS, )

\section*{AFFIDAVIT IN SUPPORT OF \\ REQUEST FOR} SEARCH WARRANT

Google LLC.
Attn: Custodian of Records, 1600 Amphitheatre Parkway Mountain View, CA 94043, Google LLC Account: JRAVNSBO@gmail.com.

DEFENDANT)
(In the matter of a FATAL CRASH in Hyde County)

The undersigned being duly sworn, respectfully requests a Search Warrant to be issued for the following property/information:

Google LLC Account: JRAVNSBO@gmail.com. and any data found therein, including the following:

To the extent that the electronically stored data related to the account(s) identified is within the possession, custody, or control of Google, Google is required to disclose the following information to the government for each account or identifier listed:

The contents of all emails stored in the account(s), including copies of emails sent to and from the account, draft emails, the source and destination addresses associated with each email, the date and time at which each email was sent, and the size and length of each email.

All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, and other identifiers, records of session times and durations, the date on which the account was created, the length of service, the types of service utilized, the IP address used to register the account, log-in IP addresses associated with session times and dates, account status, alternative email addresses provided during registration, methods of connecting, and log files.

All records or other information stored by an individual using the account, including address books, contact and buddy lists, calendar data, internet history, pictures, and files.

All records pertaining to communications between Google and any person regarding the account, including contacts with support services and records of actions taken.

All digitally stored files stored in files associated with the following account JRAVNSBO@gmail.com which are stored on Google Servers.

All information described above involving Jason Ravnsborg (JRAVNSBO@gmail.com) from September 12, 2020 and September 13, 2020 including, for each account or identifiers listed, information pertaining to the following matters:
a. The identity of the person(s) who created or used the account, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property (Describe premises with address, description and particularity)

Google LLC. Attn: Custodian of Records, 1600 Amphitheatre Parkway Mountain View, CA 94043, Google LLC Account: JRAVNSBO@gmail.com.

The undersigned requests that the Search Warrant be issued because the above-described property is: (PLACE INITIALS IN THE APPROPRIATE BLANK)

Property that constitutes evidence of the commission of a criminal offense;
\(\qquad\) Contraband, the fruits of crime, or things otherwise criminally possessed;
\(\qquad\) Property designed or intended for use in, or which is or had been used as the means of, committing a criminal offense.

The undersigned further requests:

\section*{(PLACE INITIALS IN THE APPROPRIATE BLANK)}
\(\qquad\) Execution of Search Warrant at night pursuant to SDCL 23A-35-A;
\(\qquad\) That no notice be giving to the execution of the Search Warrant pursuant to SDCL 23A-35-9;
\(\qquad\) Authorization to serve the Search Warrant on Sunday;

\section*{The facts in support of the issuance of a Search Warrant are as follows;}

Your Affiant, Trooper John Berndt, of the South Dakota Highway Patrol being first duly sworn, deposes and states under penalty of perjury:

Your Affiant is a Trooper with the South Dakota Highway Patrol and have been so employed for the past 4 years and 9 months. Your Affiant was also employed as a State Trooper from the time of October 2005 until August of 2014. During this time, Your Affiant was trained as a Crash Reconstructionist and was responsible for the reconstruction of serious injury and fatality crashes. Prior to attaining the title of South Dakota State Trooper, Your Affiant was employed by the South Dakota Highway Patrol Motor Carrier Services Division as a Motor Carrier Inspector and Motor Carrier Officer for 7 years and 2 months. Your Affiant has been trained and actively involved in the investigation of motor vehicle crashes.

Your Affiant has investigated and/or reconstructed numerous vehicle crashes involving bodily injury and/or property damage. Your Affiant has been actively involved in the investigation of over 100 fatal crashes. Your Affiant has received over 1,050 hours of training in the investigation and reconstruction of traffic crashes. Your Affiant currently instructs Intermediate and Advanced Crash Investigation to law enforcement in South Dakota. Your affiant states the following:

On 09/13/20, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County. The crash had occurred the previous evening, on \(09 / 12 / 20\). Your affiant responded to the crash scene immediately following notification. On arrival, initial responding law enforcement advised that the preliminary investigation indicated a 2011 Red Ford Taurus bearing SD Lic\# G00027 and registered to Jason Ravnsborg was traveling westbound on US Hwy 14 near MM 277. Preliminary investigation indicated the vehicle was being operated by Ravnsborg, who was the lone occupant. At approximately 2224 hours, Mr. Ravnsborg contacted 911 and reported he had struck an unknown object with his vehicle and requested police response. It is notable that Ravnsborg is the elected Attorney General for South Dakota.

Hyde County Sheriff Mike Volek responded to the scene. Volek reported that he and Ravnsborg had conducted a preliminary search of the north ditch of US Hwy 14 searching for the unknown object that Ravnsborg had struck but did not locate anything. Ravnsborg was not injured in the crash. Volek loaned his personal car to Ravnsborg who used it to return to Pierre, SD, prior to the arrival of a tow truck.

Your affiant states that, on the morning of September 13th, Ravnsborg was returning the vehicle and stopped at the crash scene. Mr. Ravnsborg discovered a body in the area of
the crash he was involved in the night before. Mr. Ravnsborg notified Sheriff Volek of his discovery. The South Dakota Highway Patrol was requested to respond and investigate the crash.

SDHP personnel later identified the pedestrian as Joseph Boever. His body was located in the north ditch of US Hwy 14, approximately 2 feet north of the asphalt edge of the road shoulder. Visible evidence at the scene is limited to the north shoulder of the roadway and north ditch, with exception to one bolt. That bolt is located near the north fogline. In addition, a light was located in the area of the crash along the north ditch. At the time of its discovery, the light was still in the "on" position and illuminated. Preliminary investigation indicates that Boever was carrying a light while walking a few minutes before the crash, and that the light was illuminated.

A preliminary inspection of the vehicle revealed that the 2011 Ford Taurus driven by Ravnsborg likely struck Boever with the front passenger corner causing damage to the right headlight, right front fender, right outside mirror, right side of the hood, windshield, wheel well and bumper. Based on the location of Boever's body at the time of discovery, the location of physical evidence at the scene of the crash, and the damage to Ravnsborg vehicle, it is likely that Boever was walking on the north edge of the highway, likely on the north side of the fog line, and carrying an illuminated light when he was struck by Ravnsborg.

Your affiant states that an additional aspect of the investigation involves activity and behaviors of Ravnsborg in the moments before and after the crash. These activities may lend some clarity to contributing factors of the crash, such as speed, impairment, or, in this case, whether Ravnsborg was distracted at the time of the crash, leading him to operate his vehicle in a reckless or negligent manner.

Due to his position as the elected Attorney General for the State of South Dakota, Ravnsborg oversees the SD Division of Criminal Investigation. Consequently, assistance was requested from the North Dakota Bureau of Criminal Investigation and they arrived later on 9-13-2020.

Special Agent (S/A) Cassidy Halseth was one of the agents that assisted in the investigation and has been involved in the process of extracting information from the cellular telephones of Ravnsborg. On 9/29/2020, SA Halseth contacted your affiant for assistance in obtaining search warrants for the electronic activity of Ravnsborg in the periods of time surrounding the crash. SA Halseth provided the following supplement to this affidavit:

Special Agent Cassidy Halseth, has been employed with the North Dakota Bureau of Criminal Investigation since December of 2017 and has been a licensed peace officer in the State of North Dakota since 2001. Prior to being employed by the North Dakota Bureau of Criminal Investigation, S/A Halseth was employed by the Minot Police Department, Minot, ND from September 2002 to December 2017. S/A Halseth has received training in computer forensics from X-Ways Forensics. Access Data for

Forensic Tool Kit, Cellebrite, Magnet Forensics, and through the International Association of Computer Investigative Specialists (IACIS) Basic Computer Forensic Examiners Course and is a currently certified Computer Forensic Examiner through IACIS.

S/A Halseth stated that S/A Halseth received two cellular phones belonging to Jason Ravnsborg as part of this investigation. Both of the cellular phones were reported to be in the possession of Jason Ravnsborg during the crash incident. Jason Ravnsborg voluntarily consented to having both these cellular phones examined. The first cellular phone was an LG Model LM-Q720AM cell phone with serial number 910VTJH0029972. The second cellular phone was an Apple iPhone XR Model number A1984 with serial number DX3YN7BYKXKN.

S/A Halseth conducted a data extraction of the LG Model LM-Q720AM cell phone on 9-142020. S/A Halseth was able to obtain a file system extraction on the LG cell phone using the Cellebrite 4PC, but was unsuccessful in obtaining the logical extraction from the LG Cell phone. S/A Halseth made several attempts at completing the logical extraction, but every time was unsuccessful. S/A Halseth then utilized the Magnet Forensics Acquire software and was able to obtain an Acquire Quick Image of the LG cell phone. S/A Halseth found that the extractions that were collected did not contain any text/chat messages, phone logs, browser history, or any information about applications that were installed or in use on the LG cell phone. The extractions mainly contained image files, video files, and other types of media files.

On 9-15-2020, S/A Halseth conducted a data extraction on the Apple iPhone XR Model number A1984.

On 9-17-2020, S/A Halseth examined the data recovered from the Apple iPhone. S/A Halseth saw that there was activity on the phone right before the 911 call was made by AG Ravnsborg. S/A. Halseth also identified that the iPhone was linked to the email address Jason.ravnsborg@state.sd.us which was being used as the Apple ID.

S/A Halseth found that a 911 call was made from the Apple iPhone XR on September \(12^{\text {th }}, 2020\) at 10:24:22 and that the call lasted 142 seconds. S/A Halseth found that that there was Apple Safari History showing that on September \(12^{\text {th }}, 2020\) at \(10: 21: 45\) the following website was locally browsed from the Apple iPhone XR ; https://justthenews.com/accountability/political-ethics/riding-dragon-documentary-exposes-massive-biden-self-enrichment. Prior to that website being browsed, the following websites were also locally browsed:
a. \(\quad\) https: \(/ / \mathrm{mail}\).yahoo.com \(/ \mathrm{m} / 7 . \mathrm{src}=\) ym\&reason=mobile

September \(12^{\text {th }}, 2020\) at 10:17:25 PM
b. \(\quad\) https \(: / /\) mail.yahoo.com \(/ \mathrm{m} /\) folders \(/ 1\) ?.src \(=\) ym\&reason=mobile

September \(12^{\text {th }}, 2020\) at 10:17:26 PM

\section*{c.}
https://mail.yahoo.com/m/folders/1/messages/AM5Sv3hQjkCmX11aoOkf8Btz7F0 September \(12^{\text {th }}, 2020\) at \(10: 18: 21\) PM
d. https://mail.yahoo.com \(/ \mathrm{m} /\) folders \(/ 1\) ?. \(\mathrm{src}=\mathrm{ym} \&\) reason=mobile

September \(12^{\text {th }}, 2020\) at 10:20:42 PM
e. http://dakotafreepress.com/

September \(12^{\text {th }}, 2020\) at 10:20:49 PM
f. https://www.realclearpolitics.com/

September \(12^{\text {th }}, 2020\) at 10:21:13 PM
S/A Halseth was able to find the Google account information for the LG Model LMQ720AM cellular phone. The Google account was JRAVNSBO@gmail.com. Based on the fact that S/A Halseth was unable to extract phone usage data from the LG Cellular phone and based on the fact that the Apple iPhone showed clearly that the cell phone was being utilized while operating a motor vehicle, Your Affiant believes critical data may be obtained by obtaining phone data from Google LLC regarding usage of the LG Phone.

This affidavit is submitted in support of an application for the issuance of a search warrant for Google LLC. Attn: Custodian of Records, 1600 Amphitheatre Parkway Mountain View, CA 94043, Google LLC Account: JRAVNSBO@gmail.com.

Your affiant states that, due to the nature of this investigation and the involvement of investigators from the state of ND, the information sought from this warrant will be transmitted to the state of North Dakota for analysis by SA Halseth. Your affiant asks the court to authorize the items disclosed be sent directly to SA Halseth, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

Your Affiant believes there is probable cause to believe that currently within the aforementioned Google LLC account, there exists, evidence, fruits, instrumentalities, of violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites-Prohibition) and 32-26-47.1 (Use of mobile electronic device--Prohibitions.)

Your Affiant is submitting this affidavit in support of a warrant authorizing a search of Google LLC. Attn: Custodian of Records, 1600 Amphitheatre Parkway Mountain View, CA 94043, Google LLC Account: JRAVNSBO@gmail.com and media found therein, for the items specified in Exhibit A, incorporated herein, which items constitute instrumentalities, fruits, and exidence of the foregoing violation.

\(\square\) Subscribed to and before me, in my presence this day of October, 2020.

STATE OF SOUTH DAKOTA)
COUNTY OF HYDE )
)
)

STATE OF SOUTH DAKOTA
Plaintiff,
vs.

Jason Ravnsborg and
Google LLC.
Attn: Custodian of Records,
1600 Amphitheatre Parkway Mountain View, CA 94043, Google LLC Account: JRAVNSBO@gmail.com.

Defendant,

\section*{TO ANY LAW ENFORCEMENT OFFICER IN THE COUNTY OF PENNINGTON:}

Proof of Affidavit has been made before me by Trooper John Berndt that there is probable cause to believe that the property described herein may be found at the location set forth herein and the property is:

\section*{(PLACE INITIALS IN APPROPRIATE BLANKS)}

BJR Property that constitutes evidence of the commission of a criminal offense; Contraband, the fruits of crime, or things otherwise criminally possessed; Property designed to intended for use in, or which is or has been used as the means of, committing a criminal offense.

\section*{YOU ARE THEREFORE, commanded to search:}

Google LLC.
Attn: Custodian of Records, 1600 Amphitheatre Parkway Mountain View, CA 94043, Google LLC Account: JRAVNSBO@gmail.com.

\section*{For the following property:}

Google LLC Account: JRAVNSBO@gmail.com. and any data found therein, including the following:

To the extent that the electronically stored data related to the account(s) identified is within the possession, custody, or control of Google, Google is required to disclose the following information to the government for each account or identifier listed:

The contents of all emails stored in the account(s), including copies of emails sent to and from the account, draft emails, the source and destination addresses associated with each email, the date and time at which each email was sent, and the size and length of each email.

All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, and other identifiers, records of session times and durations, the date on which the account was created, the length of service, the types of service utilized, the IP address used to register the account, log-in IP addresses associated with session times and dates, account status, alternative email addresses provided during registration, methods of connecting, and log files.

All records or other information stored by an individual using the account, including address books, contact and buddy lists, calendar data, internet history, pictures, and files.

All records pertaining to communications between Google and any person regarding the account, including contacts with support services and records of actions taken.

All digitally stored files stored in files associated with the following account JRAVNSBO@gmail.com which are stored on Google Servers.

All information described above involving Jason Ravnsborg (JRAVNSBO@gmail.com) from September 12, 2020 and September 13, 2020 including, for each account or identifiers listed, information pertaining to the following matters:
a. The identity of the person(s) who created or used the account, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

\section*{Method of Service}

Items disclosed pursuant to this search warrant can be served by sending, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.
This Warrant may be executed in accordance with my initials placed below:

\section*{(YOU MUST INITIAL AT LEAST ONE BLANK)}
\(\qquad\) You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4. BJR You may serve this Warrant only during the daytime. Night is that period from 8:00 p.m. to 8:00 a.m. local time.
\(\qquad\) You may execute this Warrant without notice of execution required by SDCL 23A-35-9 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed of), (that danger of life or limb or the officer or another, may result).
\(\qquad\) You may serve this Warrant on Sunday.

If the above-described property be seized, it should be returned to me at the Courthouse of this Court.

Dated this 1 st day of October__ 2020, at_Tripp County
South Dakota.


\title{
VERIFIED INVENTORY
}

STATE OF SOUTH DAKOTA)
VS, PLAINTIFF, )

Google LLC.
Attn: Custodian of Records,
1600 Amphitheatre Parkway Mountain View, CA 94043, Google LLC Account: JRAVNSBO@gmail.com.

DEFENDANT)
Warrant dated October 1, 2020
(In the matter of a FATAL CRASH in Hyde County)

1, Trooper John Berndt, a law enforcement officer of the State of South Dakota, applied for a Search Warrant dated October \(1^{\text {st, }}, 2020\), issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken during the execution of the above described Warrant:

Your affiant states - On October 2nd 2020 S/A Halseth served the search warrant on Google LLC that had been granted on October 1st, 2020 for the contents of Attorney General Jason Ravsborg's Google Account: JRAVNSBO@gmail.com. On November 12 \({ }^{\text {th }}, 2020\) S/A Cassidy Halseth received from Google LLC an email containing one zip file containing the information requested from the search warrant that was applied for and signed on October 1st, 2020.

On November \(18^{\text {th }}, 2020\) a second search warrant was applied for and granted to allow the viewing of the Google Account JRAVNSBO@gmail.com contents. On November 18 \({ }^{\text {th }}, 2020\) S/A Halseth was able to review all contents received, and was able to save and preserve all contents received.

S/A Halseth will save and maintain the contents that were received and all contents will be made available for review upon request. Please accept this letter along with the original copy of the signed search warrant to complete the search warrant return requirement.


Subscribed to and sworn to before me, a Notary Public, on this 25 day of November, 2020.


\title{
STATE OF SOUTH DAKOTA ) Plaintiff, \\ AFFIDAVIT IN SUPPORT OF SEALING SEARCH WARRANT \\ AFFIDAVIT
}

Vs.
Google LLC.
Attn: Custodian of Records,
1600 Amphitheatre Parkway Mountain View, CA 94043,
Google LLC Account: JRAVNSBO@gmail.com
Defendant,
(In the matter of a Fatal Crash in Hyde County)
Search Warrant issued October 1, 2020

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that, should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of the investigation and the information currently being obtained during the course of this investigation.


STATE OF SOUTH DAKOTA
Plaintiff,

\section*{ORDER TO SEAL PURSUANT}

TO SDCL 23A-35-4.1

Jason Ravnsborg and
Google LLC
Attn: Custodian of Records,
1600 Amphitheatre Parkway, Mountain View, CA 94043
Google LLC Account: JRAVNSBO@gmail.com
Defendant
(In the matter of Fatal Crash Investigation)
Search Warrant issued October 1, 2020
Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated October 1, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this \(25^{\text {th }}\) day of November, 2020.

> Honorable Bobbi Rank
> Sixth Judicial Circuit

Google LLC.
Attn: Custodian of Records,
1600 Amphitheatre Parkway Mountain View, CA 94043,
Google LLC Account: JRAVNSBO@gmail.com.
(View Information Received on November 12)
(In the matter of a FATAL CRASH in Hyde County)

STATE OF SOUTH DAKOTA)
PLAINTIFF, )
VS, )
STATE )

\section*{VS,}

\title{
AFFIDAVIT IN SUPPORT OF REQUEST FOR SEARCH WARRANT
}
                            )


\(\square\)
\(\qquad\)
```

DEFENDANT)

```
```

DEFENDANT)

```

The undersigned being duly sworn, respectfully requests a Search Warrant to be issued for the following property/information:
Google LLC Account: JRAVNSBO@gmail.com. and any data found therein, including the following:

To the extent that the electronically stored data related to the account(s) identified is within the possession, custody, or control of Google, Google is required to disclose the following information to the government for each account or identifier listed:

The contents of all emails stored in the account(s), including copies of emails sent to and from the account, draft emails, the source and destination addresses associated with each email, the date and time at which each email was sent, and the size and length of each email.
All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, and other identifiers, records of session times and durations, the date on which the account was created, the length of service, the types of service utilized, the IP address used to register the account, log-in IP addresses associated with session times and dates, account status, alternative email addresses provided during registration, methods of connecting, and log files.

All records or other information stored by an individual using the account, including address books, contact and buddy lists, calendar data, internet history, pictures, and files.
All records pertaining to communications between Google and any person regarding the account, including contacts with support services and records of actions taken.

All digitally stored files stored in files associated with the following account JRAVNSBO@gmail.com which are stored on Google Servers.

All information described above involving Jason Ravnsborg (JRAVNSBO@gmail.com) from September 12, 2020 and September 13, 2020 including, for each account or identifiers listed, information pertaining to the following matters:
a. The identity of the person(s) who created or used the account, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property (Describe premises with address, description and particularity)

Google LLC. Attn: Custodian of Records, 1600 Amphitheatre Parkway Mountain View, CA 94043, Google LLC Account: JRAVNSBO@gmail.com.

The undersigned requests that the Search Warrant be issued because the above-described property is:
(PLACE INITIALS IN THE APPROPRIATE BLANK)


Property that constitutes evidence of the commission of a criminal offense;
Contraband, the fruits of crime, or things otherwise criminally possessed;
Property designed or intended for use in, or which is or had been used as the means of, committing a criminal offense.

The undersigned further requests:
(PLACE INITIALS IN THE APPROPRIATE BLANK)
Execution of Search Warrant at night pursuant to SDCL 23A-35-A;

\section*{The facts in support of the issuance of a Search Warrant are as follows;}

Your Affiant, Trooper John Berndt, of the South Dakota Highway Patrol being first duly sworn, deposes and states under penalty of perjury:

Your Affiant is a Trooper with the South Dakota Highway Patrol and have been so employed for the past 4 years and 9 months. Your Affiant was also employed as a State Trooper from the time of October 2005 until August of 2014. During this time, Your Affiant was trained as a Crash Reconstructionist and was responsible for the reconstruction of serious injury and fatality crashes. Prior to attaining the title of South Dakota State Trooper, Your Affiant was employed by the South Dakota Highway Patrol Motor Carrier Services Division as a Motor Carrier Inspector and Motor Carrier Officer for 7 years and 2 months. Your Affiant has been trained and actively involved in the investigation of motor vehicle crashes.
Your Affiant has investigated and/or reconstructed numerous vehicle crashes involving bodily injury and/or property damage. Your Affiant has been actively involved in the investigation of over 100 fatal crashes. Your Affiant has received over 1,050 hours of training in the investigation and reconstruction of traffic crashes. Your Affiant currently instructs Intermediate and Advanced Crash Investigation to law enforcement in South Dakota. Your affiant states the following:

On 09/13/20, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County. The crash had occurred the previous evening, on 09/12/20. Your affiant responded to the crash scene immediately following notification. On arrival, initial responding law enforcement advised that the preliminary investigation indicated a 2011 Red Ford Taurus bearing SD Lic\# G00027 and registered to Jason Ravnsborg was traveling westbound on US Hwy 14 near MM 277. Preliminary investigation indicated the vehicle was being operated by Ravnsborg, who was the lone occupant. At approximately 2224 hours, Mr. Ravnsborg contacted 911 and reported he had struck an unknown object with his vehicle and requested police response. It is notable that Ravnsborg is the elected Attorney General for South Dakota.
Hyde County Sheriff Mike Volek responded to the scene. Volek reported that he and Ravnsborg had conducted a preliminary search of the north ditch of US Hwy 14 searching for the unknown object that Ravnsborg had struck but did not locate anything. Ravnsborg was not injured in the crash. Volek loaned his personal car to Ravnsborg who used it to return to Pierre, SD, prior to the arrival of a tow truck.

Your affiant states that, on the morning of September 13th, Ravnsborg was returning the vehicle and stopped at the crash scene. Mr. Ravnsborg discovered a body in the area of the crash he was involved in the night before. Mr. Ravnsborg notified Sheriff Volek of his discovery. The South Dakota Highway Patrol was requested to respond and investigate the crash.

SDHP personnel later identified the pedestrian as Joseph Boever. His body was located in the north ditch of US Hwy 14, approximately 2 feet north of the asphalt edge of the road shoulder. Visible evidence at the scene is limited to the north shoulder of the roadway and north ditch, with exception to one bolt. That bolt is located near the north fogline. In addition, a light was located in the area of the crash along the north ditch. At the time of its discovery, the light was still in the "on" position and illuminated. Preliminary investigation indicates that Boever was carrying a light while walking a few minutes before the crash, and that the light was illuminated.

A preliminary inspection of the vehicle revealed that the 2011 Ford Taurus driven by Ravnsborg likely struck Boever with the front passenger corner causing damage to the right headlight, right front fender, right outside mirror, right side of the hood, windshield, wheel well and bumper. Based on the location of Boever's body at the time of discovery, the location of physical evidence at the scene of the crash, and the damage to Ravnsborg vehicle, it is likely that Boever was walking on the north edge of the highway, likely on the north side of the fog line, and carrying an illuminated light when he was struck by Ravnsborg.

Your affiant states that an additional aspect of the investigation involves activity and behaviors of Ravnsborg in the moments before and after the crash. These activities may lend some clarity to contributing factors of the crash, such as speed, impairment, or, in this case, whether Ravnsborg was distracted at the time of the crash, leading him to operate his vehicle in a reckless or negligent manner.
Due to his position as the elected Attorney General for the State of South Dakota, Ravnsborg oversees the SD Division of Criminal Investigation. Consequently, assistance was requested from the North Dakota Bureau of Criminal Investigation and they arrived later on 9-13-2020.

Special Agent (S/A) Cassidy Halseth was one of the agents that assisted in the investigation and has been involved in the process of extracting information from the cellular telephones of Ravnsborg. On 9/29/2020, SA Halseth contacted your affiant for assistance in obtaining search warrants for the electronic activity of Ravnsborg in the periods of time surrounding the crash. SA Halseth provided the following supplement to this affidavit:
Special Agent Cassidy Halseth, has been employed with the North Dakota Bureau of Criminal Investigation since December of 2017 and has been a licensed peace officer in the State of North Dakota since 2001. Prior to being employed by the North Dakota

Bureau of Criminal Investigation, S/A Halseth was employed by the Minot Police Department, Minot, ND from September 2002 to December 2017. S/A Halseth has received training in computer forensics from X-Ways Forensics. Access Data for Forensic Tool Kit, Cellebrite, Magnet Forensics, and through the International Association of Computer Investigative Specialists (IACIS) Basic Computer Forensic Examiners Course and is a currently certified Computer Forensic Examiner through IACIS.

S/A Halseth stated that S/A Halseth received two cellular phones belonging to Jason Ravnsborg as part of this investigation. Both of the cellular phones were reported to be in the possession of Jason Ravnsborg during the crash incident. Jason Ravnsborg voluntarily consented to having both these cellular phones examined. The first cellular phone was an LG Model LM-Q720AM cell phone with serial number 910VTJH0029972. The second cellular phone was an Apple iPhone XR Model number A1984 with serial number DX3YN7BYKXKN.

S/A Halseth conducted a data extraction of the LG Model LM-Q720AM cell phone on 9-142020. S/A Halseth was able to obtain a file system extraction on the LG cell phone using the Cellebrite 4PC, but was unsuccessful in obtaining the logical extraction from the LG Cell phone. S/A Halseth made several attempts at completing the logical extraction, but every time was unsuccessful. S/A Halseth then utilized the Magnet Forensics Acquire software and was able to obtain an Acquire Quick Image of the LG cell phone. S/A Halseth found that the extractions that were collected did not contain any text/chat messages, phone logs, browser history, or any information about applications that were installed or in use on the LG cell phone. The extractions mainly contained image files, video files, and other types of media files.

On 9-15-2020, S/A Halseth conducted a data extraction on the Apple iPhone XR Model number A1984.
On 9-17-2020, S/A Halseth examined the data recovered from the Apple iPhone. S/A Halseth saw that there was activity on the phone right before the 911 call was made by AG Ravnsborg. S/A Halseth also identified that the iPhone was linked to the email address Jason.ravnsborg@state.sd.us which was being used as the Apple ID.

S/A Halseth found that a 911 call was made from the Apple iPhone XR on September \(12^{\text {th }}, 2020\) at 10:24:22 and that the call lasted 142 seconds. S/A Halseth found that that there was Apple Safari History showing that on September 12 \({ }^{\text {th }}, 2020\) at 10:21:45 the following website was locally browsed from the Apple iPhone XR ; https://justthenews.com/accountability/political-ethics/riding-dragon-documentary-exposes-massive-biden-self-enrichment. Prior to that website being browsed, the following websites were also locally browsed:
a. https://mail.yahoo.com \(/ \mathrm{m} /\) ?. \(\mathrm{src}=\mathrm{ym}\) \&reason=mobile September \(12^{\text {th }}, 2020\) at 10:17:25 PM
b. \(\quad \mathrm{https}: / / \mathrm{mail}\). yahoo.com \(/ \mathrm{m} /\) folders \(/ 13\). \(\mathrm{src}=\mathrm{ym} \&\) reason=mobile September \(12^{\text {th }}, 2020\) at 10:17:26 PM
c.
https://mail.yahoo.com/m/folders/1/messages/AM5Sv3hOjkCmX11aoQkf8Btz7F0 September \(12^{\text {th }}, 2020\) at 10:18:21 PM
d. \(\quad\) https://mail.yahoo.com \(/ \mathrm{m} /\) folders \(/ 1\) ?. \(\mathrm{src}=\mathrm{ym} \&\) reason=mobile

September 12 \({ }^{\text {th }}, 2020\) at 10:20:42 PM
e. \(\quad\) http://dakotafreepress.com/

September \(12^{\text {th }}, 2020\) at 10:20:49 PM
f. https://www,realclearpolitics.com/

September \(12^{\text {th }}, 2020\) at 10:21:13 PM
S/A Halseth was able to find the Google account information for the LG Model LMQ720AM cellular phone. The Google account was JRAVNSBO@gmail.com. Based on the fact that S/A Halseth was unable to extract phone usage data from the LG Cellular phone and based on the fact that the Apple iPhone showed clearly that the cell phone was being utilized while operating a motor vehicle, Your Affiant believes critical data may be obtained by obtaining phone data from Google LLC regarding usage of the LG Phone.

This affidavit is submitted in support of an application for the issuance of a search warrant for Google LLC. Attn: Custodian of Records, 1600 Amphitheatre Parkway Mountain View, CA 94043, Google LLC Account: JRAVNSBO@gmail.com.

Your affiant states that, due to the nature of this investigation and the involvement of investigators from the state of ND, the information sought from this warrant will be transmitted to the state of North Dakota for analysis by SA Halseth. Your affiant asks the court to authorize the items disclosed be sent directly to SA Halseth, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

Your Affiant believes there is probable cause to believe that currently within the aforementioned Google LLC account, there exists, evidence, fruits, instrumentalities, of violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites-Prohibition) and 32-26-47.1 (Use of mobile electronic device--Prohibitions.)

Your Affiant is submitting this affidavit in support of a warrant authorizing a search of Google LLC. Attn: Custodian of Records, 1600 Amphitheatre Parkway Mountain View, CA 94043, Google LLC Account: JRAVNSBO@gmail.com and media found therein, for the items specified in Exhibit A, incorporated herein, which items constitute instrumentalities, fruits, and evidence of the foregoing violation.

Your Affiant obtained a search warrant on October 1, 2020. That warrant was served by Agents from the North Dakota Bureau of Criminal Investigation (ND BCI) to Google LLC on October 2, 2020. Agents from the ND BCI received the information back from Google LLC on November 12, 2020. Agents from the ND BCI downloaded but have not reviewed the data provided by Google LLC. Your Affiant is seeking a second warrant for the ND BCI to open the information provided by Google LLC. to comply with the requirements addressed by US \(8^{\text {th }}\) Circuit Court of Appeals decision of the United States of America v. Meamen Jean Nyah.




STATE OF SOUTH DAKOTA) COUNTY OF HYDE )

STATE OF SOUTH DAKOTA
Plaintiff,
vs.
Jason Ravnsborg and
Google LLC.
Attn: Custodian of Records,
1600 Amphitheatre Parkway Mountain View, CA 94043,
Google LLC Account: JRAVNSBO@gmail.com.
(View Information Received on November 12)
Defendant,

\section*{TO ANY LAW ENFORCEMENT OFFICER IN THE COUNTY OF HYDE:}

Proof of Affidavit has been made before me by Trooper John Berndt that there is probable cause to believe that the property described herein may be found at the location set forth herein and the property is:
(PLACE INITIALS IN APPROPRIATE BLANKS)
BJR Property that constitutes evidence of the commission of a criminal offense; Contraband, the fruits of crime, or things otherwise criminally possessed;
Property designed to intended for use in, or which is or has been used as the means of, committing a criminal offense.

\section*{YOU ARE THEREFORE, commanded to search:}

Google LLC Account: JRAVNSBO@gmail.com. and any data found therein, including the following:

To the extent that the electronically stored data related to the account(s) identified is within the possession, custody, or control of Google, Google is required to disclose the following information to the government for each account or identifier listed:

The contents of all emails stored in the account(s), including copies of emails sent to and from the account, draft emails, the source and destination addresses associated with each email, the date and time at which each email was sent, and the size and length of each email.

All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, and other identifiers, records of session times and durations, the date on which the account was created, the length of service, the types of service utilized, the IP address used to register the account, log-in IP addresses associated with session times and dates, account status, alternative email addresses provided during registration, methods of connecting, and log files.

All records or other information stored by an individual using the account, including address books, contact and buddy lists, calendar data, internet history, pictures, and files.

All records pertaining to communications between Google and any person regarding the account, including contacts with support services and records of actions taken.

All digitally stored files stored in files associated with the following account JRAVNSBO@gmail.com which are stored on Google Servers.

All information described above involving Jason Ravnsborg (JRAVNSBO@gmail.com) from September 12, 2020 and September 13, 2020 including, for each account or identifiers listed, information pertaining to the following matters:
a. The identity of the person(s) who created or used the account, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

Information from the original warrant to Google LLC, dated October 1, 2020 was served on October 2, 2020. Information was received from Google LLC by the ND BCI on November 12, 2020. This warrant authorizes the information received on November 12, 2020 to be opened and viewed.

This warrant meets the requirements addressed by US \(8^{\text {th }}\) Circuit Court of Appeals decision of the United States of America v. Meamen Jean Nyah.

\section*{Method of Service}

Items disclosed pursuant to this search warrant can be served by sending, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.
This Warrant may be executed in accordance with my initials placed below:

\section*{(YOU MUST INITIAL AT LEAST ONE BLANK)}
___ You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4. BJR You may serve this Warrant only during the daytime. Night is that period from 8:00 p.m. to 8:00 a.m. local time.
\(\qquad\) You may execute this Warrant without notice of execution required by SDCL 23A-35-9 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed of), (that danger of life or limb or the officer or another, may result).
\(\qquad\) You may serve this Warrant on Sunday.

If the above-described property be seized, it should be returned to me at the Courthouse of this Court.

Dated this 18th_ day of November_2020, at Hughes County_, South Dakota.

(Magistrate) (Circuit Judge)

STATE OF SOUTH DAKOTA)
PLAINTIFF, )

\section*{VERIFIED INVENTORY}

VS,
Google LLC.
Attn: Custodian of Records,
1600 Amphitheatre Parkway Mountain View, CA 94043,
Google LLC Account: JRAVNSBO@gmail.com.

\section*{DEFENDANT)}

Warrant dated November 18, 2020
(In the matter of a FATAL CRASH in Hyde County)

I, Trooper John Berndt, a law enforcement officer of the State of South Dakota, applied for a Search Warrant dated October \(1^{\text {st }}, 2020\), issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken during the execution of the above described Warrant:

Your affiant states - On October \(2^{\text {nd }}, 2020\) S/A Halseth served the search warrant on Google LLC that had been granted on October 1st, 2020 for the contents of Attorney General Jason Ravsborg's Google Account: JRAVNSBO@gmail.com. On November 12 th, 2020 S/A Cassidy Halseth received from Google LLC an email containing one zip file containing the information requested from the search warrant that was applied for and signed on October \(1^{\text {st }}, 2020\).

On November \(18^{\text {th }}, 2020\) a second search warrant was applied for and granted to allow the viewing of the Google Account JRAVNSBO@gmail.com contents. On November 18 \({ }^{\text {th }}, 2020\) S/A Halseth was able to review all contents received, and was able to save and preserve all contents received.

S/A Halseth will save and maintain the contents that were received and all contents will be made available for review upon request. Please accept this letter along with the original copy of the signed search warrant to complete the search warrant return requirement.

Dated this 25th day of November, 2020, at Aberdeen, South Dakota.


Subscribed to and sworn to before me, a Notary Public, on this \(25 \frac{2 r}{\text { day }}\) of November, 2020.


\title{
STATE OF SOUTH DAKOTA ) Plaintiff, \\ AFFIDAVIT IN SUPPORT OF SEALING SEARCH WARRANT \\ AFFIDAVIT
}

Vs.
Google LLC.
Attn: Custodian of Records,
1600 Amphitheatre Parkway Mountain View, CA 94043,
Google LLC Account: JRAVNSBO@gmail.com
Defendant,
(In the matter of a Fatal Crash in Hyde County)
Search Warrant issued November 18, 2020

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that, should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of the investigation and the information currently being obtained during the course of this investigation.


Subscribed and sworn to before me, in my presence, this day of Nam, 20.


STATE OF SOUTH DAKOTA Plaintiff,
vs.
Jason Ravnsborg and

\section*{Google LLC}

Attn: Custodian of Records,
1600 Amphitheatre Parkway, Mountain View, CA 94043
Google LLC Account: JRAVNSBO@gmail.com

\section*{Defendant}
(In the matter of Fatal Crash Investigation)
Search Warrant issued November \(18^{\text {th }}, 2020\)
Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated November 18, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this \(25^{\text {th }}\) day of November, 2020.


Honorable Bobbi J. Rank Sixth Judicial Circuit


The undersigned being duly sworn, respectfully requests a Search Warrant to be issued for the following property/information:
Verizon Wireless Account \#605-295-0802 and any data found therein including:
1. The contents of any communication or file stored by or for the Account(s) and any associated accounts, and any information associated with those communications or files, such as the source and destination email addresses or IP addresses.
2. All records and other information relating to the Account(s) and any associated accounts including the following:
a. Names (including subscriber names, user names, and screen names);
b. Addresses (including mailing addresses, residential addresses, business addresses, and e-mail addresses);
c. Local and long distance telephone connection records;
d. Records of session times and durations;
e. Length of service (including start date) and types of service utilized;
f. Telephone or instrument numbers (including MAC addresses);
g. Other subscriber numbers or identities (including temporarily assigned network addresses, registration Internet Protocol ("IP") addresses, and records showing IP addresses used to access the Account(s)); and
h. Means and source of payment for such service (including any credit card or bank account number) and billing records.
i. Data record logs
j. Tolls -date, time and length of call for outgoing calls, only non-restricted inbound
k. SMS/MMS/iMessages Logs and stored Communication
1. Cell Tower records
M. Call Detail Records -date, time and length of call for outgoing and incoming calls; captures outbound digits and incoming numbers
N. ESN-electronic serial number of the phone
0. Calls to a Number -date, time and length of calls for all mobiles that called a specific destination number
P. Location -cell site that handled the call and GPS coordinates

\section*{I. Information to be seized by the Government}

All information described above that constitutes contraband, fruits, evidence and/or instrumentalities of violations of South Dakota Codified Laws 32-26-47.2 (Social networking sites--Prohibition) and 32-26-47.1 (Use of mobile electronic device-Prohibitions.), involving Jason Ravnsborg (605-295-0802) from September 12, 2020 and September 13, 2020 including, for each account or identifiers listed on Exhibit A, information pertaining to the following matters:
a. The identity of the person(s) who created or used the cellular phone, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property (Describe premises with address, description and particularity)

Cellco Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.

The undersigned requests that the Search Warrant be issued because the above-described property is:
(PLACE INITIALS IN THE APPROPRIATE BLANK)

JTB
Property that constitutes evidence of the commission of a criminal offense;
Contraband, the fruits of crime, or things otherwise criminally possessed;
\(\qquad\) Property designed or intended for use in, or which is or had been used as the means of, committing a criminal offense.

The undersigned further requests:

\section*{(PLACE INITIALS IN THE APPROPRIATE BLANK)}
\(\qquad\) Execution of Search Warrant at night pursuant to SDCL 23A-35-A;
\(\qquad\) That no notice be giving to the execution of the Search Warrant pursuant to SDCL. 23A-35-9;

\section*{Authorization to serve the Search Warrant on Sunday; \\ \(\rightarrow\) Execution of the Search Warrant during the daytime;}

The facts in support of the issuance of a Search Warrant are as follows;
Your Affiant, Trooper John Berndt, of the South Dakota Highway Patrol being first duly sworn, deposes and states under penalty of perjury:

Your Affiant is a Trooper with the South Dakota Highway Patrol and have been so employed for the past 4 years and 9 months. Your Affiant was also employed as a State Trooper from the time of October 2005 until August of 2014. During this time, Your Affiant was trained as a Crash Reconstructionist and was responsible for the reconstruction of serious injury and fatality crashes. Prior to attaining the title of South Dakota State Trooper, Your Affiant was employed by the South Dakota Highway Patrol Motor Carrier Services Division as a Motor Carrier Inspector and Motor Carrier Officer for 7 years and 2 months. Your Affiant has been trained and actively involved in the investigation of motor vehicle crashes.

Your Affiant has investigated and/or reconstructed numerous vehicle crashes involving bodily injury and/or property damage. Your Affiant has been actively involved in the investigation of over 100 fatal crashes. Your Affiant has received over 1,050 hours of training in the investigation and reconstruction of traffic crashes. Your Affiant currently instructs Intermediate and Advanced Crash Investigation to law enforcement in South Dakota. Your affiant states the following:

On 09/13/20, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County. The crash had occurred the previous evening, on 09/12/20. Your affiant responded to the crash scene immediately following notification. On arrival, initial responding law enforcement advised that the preliminary investigation indicated a 2011 Red Ford Taurus bearing SD Lic\# G00027 and registered to Jason Ravnsborg was traveling westbound on US Hwy 14 near MM 277. Preliminary investigation indicated the vehicle was being operated by Ravnsborg, who was the lone occupant. At approximately 2224 hours, Mr. Ravnsborg contacted 911 and reported he had struck an unknown object with his vehicle and requested police response. It is notable that Ravnsborg is the elected Attorney General for South Dakota.

Hyde County Sheriff Mike Volek responded to the scene. Volek reported that he and Ravnsborg had conducted a preliminary search of the north ditch of US Hwy 14 searching for the unknown object that Ravnsborg had struck but did not locate anything. Ravnsborg was not injured in the crash. Volek loaned his personal car to Ravnsborg who used it to return to Pierre, SD, prior to the arrival of a tow truck.

Your affiant states that, on the morning of September 13th, Ravnsborg was returning the vehicle and stopped at the crash scene. Mr. Ravnsborg discovered a body in the area of the crash he was involved in the night before. Mr. Ravnsborg notified Sheriff Volek of his discovery. The South Dakota Highway Patrol was requested to respond and investigate the crash.

SDHP personnel later identified the pedestrian as Joseph Boever. His body was located in the north ditch of US Hwy 14, approximately 2 feet north of the asphalt edge of the road shoulder. Visible evidence at the scene is limited to the north shoulder of the roadway and north ditch, with exception to one bolt. That bolt is located near the north fogline. In addition, a light was located in the area of the crash along the north ditch. At the time of its discovery, the light was still in the "on" position and illuminated. Preliminary investigation indicates that Boever was carrying a light while walking a few minutes before the crash, and that the light was illuminated.

A preliminary inspection of the vehicle revealed that the 2011 Ford Taurus driven by Ravnsborg likely struck Boever with the front passenger corner causing damage to the right headlight, right front fender, right outside mirror, right side of the hood, windshield, wheel well and bumper. Based on the location of Boever's body at the time of discovery, the location of physical evidence at the scene of the crash, and the damage to Ravnsborg vehicle, it is likely that Boever was walking on the north edge of the highway, likely on the north side of the fog line, and carrying an illuminated light when he was struck by Ravnsborg.

Your affiant states that an additional aspect of the investigation involves activity and behaviors of Ravnsborg in the moments before and after the crash. These activities may lend some clarity to contributing factors of the crash, such as speed, impairment, or, in
this case, whether Ravnsborg was distracted at the time of the crash, leading him to operate his vehicle in a reckless or negligent manner.

Due to his position as the elected Attorney General for the State of South Dakota, Ravnsborg oversees the SD Division of Criminal Investigation. Consequently, assistance was requested from the North Dakota Bureau of Criminal Investigation and they arrived later on 9-13-2020.

Special Agent (S/A) Cassidy Halseth was one of the agents that assisted in the investigation and has been involved in the process of extracting information from the cellular telephones of Ravnsborg. On 9/29/2020, SA Halseth contacted your affiant for assistance in obtaining search warrants for the electronic activity of Ravnsborg in the periods of time surrounding the crash. SA Halseth provided the following supplement to this affidavit:

Special Agent Cassidy Halseth, has been employed with the North Dakota Bureau of Criminal Investigation since December of 2017 and has been a licensed peace officer in the State of North Dakota since 2001. Prior to being employed by the North Dakota Bureau of Criminal Investigation, S/A Halseth was employed by the Minot Police Department, Minot, ND from September 2002 to December 2017. S/A Halseth has received training in computer forensics from X-Ways Forensics. Access Data for Forensic Tool Kit, Cellebrite, Magnet Forensics, and through the International Association of Computer Investigative Specialists (IACIS) Basic Computer Forensic Examiners Course and is a currently certified Computer Forensic Examiner through IACIS.

S/A Halseth stated that S/A Halseth received two cellular phones belonging to Jason Ravnsborg as part of this investigation. Both of the cellular phones were reported to be in the possession of Jason Ravnsborg during the crash incident. Jason Ravnsborg voluntarily consented to having both these cellular phones examined. The first cellular phone was an LG Model LM-Q720AM cell phone with serial number 910VTJH0029972. The second cellular phone was an Apple iPhone XR Model number A1984 with serial number DX3YN7BYKXKN.
S/A Halseth conducted a data extraction of the LG Model LM-Q720AM cell phone on 9-142020. S/A Halseth was able to obtain a file system extraction on the LG cell phone using the Cellebrite 4 PC , but was unsuccessful in obtaining the logical extraction from the LG Cell phone. S/A Halseth made several attempts at completing the logical extraction, but every time was unsuccessful. S/A Halseth then utilized the Magnet Forensics Acquire software and was able to obtain an Acquire Quick Image of the LG cell phone. S/A Halseth found that the extractions that were collected did not contain any text/chat messages, phone logs, browser history, or any information about applications that were installed or in use on the LG cell phone. The extractions mainly contained image files, video files, and other types of media files.

On 9-15-2020, S/A Halseth conducted a data extraction on the Apple iPhone XR Model number A1984.

On 9-17-2020, S/A Halseth examined the data recovered from the Apple iPhone. S/A Halseth saw that there was activity on the phone right before the 911 call was made by AG Ravnsborg. S/A Halseth also identified that the iPhone was linked to the email address Jason.ravnsborg@state.sd.us which was being used as the Apple ID.

S/A Halseth found that a 911 call was made from the Apple iPhone XR on September \(12^{\text {th }}, 2020\) at 10:24:22 and that the call lasted 142 seconds. S/A Halseth found that that there was Apple Safari History showing that on September \(12^{\text {th }}, 2020\) at \(10: 21: 45\) the following website was locally browsed from the Apple iPhone XR ; https://justthenews.com/accountability/political-ethics/riding-dragon-documentary-exposes-massive-biden-self-enrichment. Prior to that website being browsed, the following websites were also locally browsed:
a. \(\quad \mathrm{https}: / / \mathrm{mail}\). yahoo.com \(/ \mathrm{m} /\) ? \(\mathrm{src}=\mathrm{ym} \&\) reason=mobile

September \(12^{\text {th }}, 2020\) at 10:17:25 PM

September \(12^{\text {th }}, 2020\) at 10:17:26 PM
c.
https://mail.yahoo.com/m/folders/1/messages/AM5Sv3hOjkCmX11aoQkf8Btz7F0
September \(12^{\text {th }}, 2020\) at 10:18:21 PM
d. https://mail.yahoo.com \(/ \mathrm{m} /\) folders \(/ 1\) ? . \(\mathrm{src}=\mathrm{ym} \&\) reason=mobile

September \(12^{\text {th }}, 2020\) at. 10:20:42 PM
e. http://dakotafreepress.com/

September \(12^{\text {th }}, 2020\) at 10:20:49 PM
f. https://www.realclearpolitics.com/

September \(12^{\text {th }}, 2020\) at 10:21:13 PM
S/A Halseth was able to find the phone number for the Apple iPhone. The phone number was 605-295-0802. Based on this information, it appeared the cellular phone service for the phone was through Cellco Partnerships \(\mathrm{d} / \mathrm{b} / \mathrm{a}\) Verizon Wireless.

This affidavit is submitted in support of an application for the issuance of a search warrant for Cellco Partnership \(\mathrm{d} / \mathrm{b} / \mathrm{a}\) Verizon Wireless. Attn: Custodian of Records Cellco Partnership d/b/a Verizon Wireless., 180 Washington Valley Road, Bedminster, NJ 07921 Verizon Wireless Account: 605-295-0802.

Your affiant states that, due to the nature of this investigation and the involvement of investigators from the state of ND, the information sought from this warrant will be transmitted to the state of North Dakota for analysis by SA Halseth. Your affiant asks the court to authorize the items disclosed be sent directly to SA Halseth, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

Your affiant states that there is probable cause to believe that currently within the aforementioned Verizon Wireless account, there exists, evidence, fruits,
instrumentalities, of violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites--Prohibition) and 32-26-47.1 (Use of mobile electronic device-Prohibitions.)

Your Affiant is submitting this affidavit in support of a warrant authorizing a search of Cello Partnership d/b/a Verizon Wireless. Attn: Custodian of Records Cello Partnership d dbtaverizon Wireless, 180 Washington Valley Road, Bedminster, NJ 07921 Verizon Wireless Account: 605-295-0802. and media found therein.

SIGNATURE OF AFFIANT

(OFFICAL TITLE)

Subscribed to and before me, in my presence this \(\square\)
 day of October, 2020.

STATE OF SOUTH DAKOTA)
COUNTY OF HYDE )

STATE OF SOUTH DAKOTA )

VS.

IN CIRCUIT COURT
) \(\quad S S\)
SIXTH JUDICIAL CIRCUIT

\section*{SEARCH WARRANT}

Jason Ravnsborg and
Cellco Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.

Defendant,

TO ANY LAW ENFORCEMENT OFFICER IN THE COUNTY OF PENNINGTON:
Proof of Affidavit has been made before me by Trooper John Berndt that there is probable cause to believe that the property described herein may be found at the location set forth herein and the property is:
(PLACE INITIALS IN APPROPRIATE BLANKS)
BJR Property that constitutes evidence of the commission of a criminal offense;
\(\qquad\) Contraband, the fruits of crime, or things otherwise criminally possessed; means of, committing a criminal offense.

\section*{YOU ARE THEREFORE, commanded to search:}

Cellco Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.

\section*{For the following property:}
1. The contents of any communication or file stored by or for the Account(s) and any associated accounts, and any information associated with those communications or files, such as the source and destination email addresses or IP addresses.
2. All records and other information relating to the Account(s) and any associated accounts including the following:
a. Names (including subscriber names, user names, and screen names);
b. Addresses (including mailing addresses, residential addresses, business addresses, and e-mail addresses);
c. Local and long distance telephone connection records;
d. Records of session times and durations;
e. Length of service (including start date) and types of service utilized;
f. Telephone or instrument numbers (including MAC addresses);
g. Other subscriber numbers or identities (including temporarily assigned network addresses, registration Internet Protocol ("IP") addresses, and records showing IP addresses used to access the Account(s)); and
h. Means and source of payment for such service (including any credit card or bank account number) and billing records.
i. Data record logs
j. Tolls -date, time and length of call for outgoing calls, only non-restricted inbound
k. SMS/MMS/iMessages Logs and stored Communication
1. Cell Tower records
M. Call Detail Records -date, time and length of call for outgoing and incoming calls; captures outbound digits and incoming numbers
N. ESN-electronic serial number of the phone
0. Calls to a Number-date, time and length of calls for all mobiles that called a specific destination number
P. Location -cell site that handled the call and GPS coordinates

All information described above that constitutes contraband, fruits, evidence and/or instrumentalities of violations of South Dakota Codified Laws 32-26-47.2 (Social networking sites--Prohibition) and 32-26-47.1 (Use of mobile electronic device-Prohibitions.), involving Jason Ravnsborg (605-295-0802) from September 12, 2020 and September 13, 2020 including, for each account or identifiers listed, information pertaining to the following matters:
a. The identity of the person(s) who created or used the cellular phone, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

\section*{Method of Service}

Items disclosed pursuant to this search warrant can be served by sending, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.
This Warrant may be executed in accordance with my initials placed below:

\section*{(YOU MUST INITIAL AT LEAST ONE BLANK)}
\(\qquad\) You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4. BJR You may serve this Warrant only during the daytime. Night is that period from 8:00 p.m. to 8:00 a.m. local time.
\(\qquad\) You may execute this Warrant without notice of execution required by SDCL 23A-35-9 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed of), (that danger of life or limb or the officer or another, may result).
\(\qquad\) You may serve this Warrant on Sunday.

If the above-described property be seized, it should be returned to me at the Courthouse of this Court.
\[
\text { Dated this } 1 \text { st day of October }, 2020 \text {, at Tripp County }
\]

South Dakota.


\title{
VERIFIED INVENTORY
}

VS,
Cellco Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.

\section*{DEFENDANT)}

Warrant dated October 1, 2020
(In the matter of a FATAL CRASH in Hyde County)

1, Trooper John Berndt, a law enforcement officer of the State of South Dakota, applied for a Search Warrant dated October \(1^{\text {st }}, 2020\), issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken during the execution of the above described Warrant:

Your affiant states * On October 2 \({ }^{\text {nd }}, 2020\) S/A Halseth served the search warrant on Cellco Partnership d/b/a Verizon Wireless that had been granted on October \(1^{\text {st }}, 2020\) for the contents of Attorney General Jason Ravsborg's Verizon Wireless Account: 605-295-0802. On November 12 \({ }^{\text {th }}\), 2020 S/A Cassidy Halseth received from Cellco Partnership d/b/a Verizon Wireless an email containing one file containing the information requested from the search warrant that was applied for and signed on October \(1^{\text {st }}\), 2020.

On November \(18^{\text {th }}, 2020\) a second search warrant was applied for and granted to allow the viewing of the Cellco Partnership \(\mathrm{d} / \mathrm{b} / \mathrm{a}\) Verizon Wireless: 605-295-0802. On November \(23^{\text {rd, } 2020 ~ S / A ~ H a l s e t h ~ w a s ~ a b l e ~ t o ~}\) review all contents received, and was able to save and preserve all contents received.

ND BCI S/A Halseth will save and maintain the contents that were downloaded and all contents will be made available for review upon
request. Please accept this letter along with the original copy of the signed search warrant to complete the search warrant return requirement.

Dated this 25th day-f November, 2020, at Aberdeen, South Dakota.

Subscribed to and sworn to before me, a Notary Public, on this day of November, 2020.


STATE OF SOUTH DAKOTA ) Plaintiff,

AFFIDAVIT IN SUPPORT OF SEALING SEARCH WARRANT AFFIDAVIT

Vs.
Jason Ravnsborg and,
Cellco Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.
Defendant,
(In the matter of a Fatal Crash in Hyde County)
Search Warrant issued October 1, 2020.

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that, should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of \(\boldsymbol{t}\) ne investigation and the information currently being obtained during the coyrse gry thls inyestigation.


Subscribed and sworn to before me, in my presence, this \(25 \pm\) day of \(<1-2,2020\)


My Commission Expires 06-07-2025
My commission expires: \(\qquad\)

\title{
STATE OF SOUTH DAKOTA Plaintiff,
}

\section*{ORDER TO SEAL PURSUANT}

TO SDCL 23A-35-4.1
vs.
Jason Ravnsborg and,
Cello Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.

\section*{Defendant}
(In the matter of Fatal Crash Investigation)
Search Warrant issued October 1, 2020
Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated October 1, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this \(25^{\text {th }}\) day of November, 2020.


Honorable Bobbi J. Rank
Sixth Judicial Circuit
\begin{tabular}{|c|c|}
\hline STATE OF SOUTH DAKOTA) & IN CIRCUIT COURT MAGISTRATE DIVISION \\
\hline COUNTY OF_HYDE_ _ _ 6th_ & JUDICIAL CIRCUIT \\
\hline *********************************** & \\
\hline STATE OF SOUTH DAKOTA) & AFFIDAVIT IN SUPPORT OF \\
\hline ( ) & REQUEST FOR \\
\hline PLAINTIFF, & SEARCH WARRANT \\
\hline Vs, ) & \\
\hline Cellco Partnership d/b/a Verizon Wireless. & \\
\hline Attn: Custodian of Records & \\
\hline 180 Washington Valley Road, Bedminster, NJ 07921 & \\
\hline Verizon Wireless Account: 605-295-0802. & \\
\hline (View Information Received on November 12) & \\
\hline DEFENDANT) & \\
\hline (In the matter of a FATAL CRASH in Hyde County) & \\
\hline
\end{tabular}

The undersigned being duly sworn, respectfully requests a Search Warrant to be issued for the following property/information:
Verizon Wireless Account \#605-295-0802 and any data found therein including:
1. The contents of any communication or file stored by or for the Account(s) and any associated accounts, and any information associated with those communications or files, such as the source and destination email addresses or IP addresses.
2. All records and other information relating to the Account(s) and any associated accounts including the following:
a. Names (including subscriber names, user names, and screen names);
b. Addresses (including mailing addresses, residential addresses, business addresses, and e-mail addresses);
c. Local and long distance telephone connection records;
d. Records of session times and durations;
e. Length of service (including start date) and types of service utilized;
f. Telephone or instrument numbers (including MAC addresses);
g. Other subscriber numbers or identities (including temporarily assigned network addresses, registration Internet Protocol ("IP") addresses, and records showing IP addresses used to access the Account(s)); and
h. Means and source of payment for such service (including any credit card or bank account number) and billing records.
i. Data record logs
j. Tolls -date, time and length of call for outgoing calls, only non-restricted inbound
k. SMS/MMS/iMessages Logs and stored Communication
1. Cell Tower records
M. Call Detail Records -date, time and length of call for outgoing and incoming calls; captures outbound digits and incoming numbers
N. ESN-electronic serial number of the phone
0. Calls to a Number --date, time and length of calls for all mobiles that called a specific destination number
P. Location -cell site that handled the call and GPS coordinates
I. Information to be seized by the Government

All information described above that constitutes contraband, fruits, evidence and/or instrumentalities of violations of South Dakota Codified Laws 32-26-47.2 (Social networking sites--Prohibition) and 32-26-47.1 (Use of mobile electronic device-Prohibitions.), involving Jason Ravnsborg (605-295-0802) from September 12, 2020 and September 13, 2020 including, for each account or identifiers listed on Exhibit A, information pertaining to the following matters:
a. The identity of the person(s) who created or used the cellular phone, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property (Describe premises with address, description and particularity)

Cellco Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.

The undersigned requests that the Search Warrant be issued because the above-described property is:
(PLACE INITIALS IN THE APPROPRIATE BLANK)

roperty that constitutes evidence of the commission of a criminal offense;
Contraband, the fruits of crime, or things otherwise criminally possessed;
\(\qquad\) Property designed or intended for use in, or which is or had been used as the means of, committing a criminal offense.

The undersigned further requests:

\section*{(PLACE INITIALS IN THE APPROPRIATE BLANK)}
\(\qquad\) Execution of Search Warrant at night pursuant to SDCL 23A-35-A;
\(\qquad\) That no notice be giving to the execution of the Search Warrant pursuant to SDCL 23A-35-9;


Authorization to serve the Search Warrant on Sunday;
xecution of the Search Warrant during the daytime;

The facts in support of the issuance of a Search Warrant are as follows;
Your Affiant, Trooper John Berndt, of the South Dakota Highway Patrol being first duly sworn, deposes and states under penalty of perjury:

Your Affiant is a Trooper with the South Dakota Highway Patrol and have been so employed for the past 4 years and 9 months. Your Affiant was also employed as a State Trooper from the time of October 2005 until August of 2014. During this time, Your Affiant was trained as a Crash Reconstructionist and was responsible for the reconstruction of serious injury and fatality crashes. Prior to attaining the title of South Dakota State Trooper, Your Affiant was employed by the South Dakota Highway Patrol Motor Carrier Services Division as a Motor Carrier Inspector and Motor Carrier Officer: for 7 years and 2 months. Your Affiant has been trained and actively involved in the investigation of motor vehicle crashes.

Your Affiant has investigated and/or reconstructed numerous vehicle crashes involving bodily injury and/or property damage. Your Affiant has been actively involved in the investigation of over 100 fatal crashes. Your Affiant has received over 1,050 hours of training in the investigation and reconstruction of traffic crashes. Your Affiant currently instructs Intermediate and Advanced Crash Investigation to law enforcement in South Dakota. Your affiant states the following:

On 09/13/20, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County. The crash had occurred the previous evening, on 09/12/20. Your affiant responded to the crash scene immediately following notification. On arrival, initial responding law enforcement advised that the preliminary investigation indicated a 2011 Red Ford Taurus bearing SD Lic\# G00027 and registered to Jason Ravnsborg was traveling westbound on US Hwy 14 near MM 277. Preliminary investigation indicated the vehicle was being operated by Ravnsborg, who was the lone occupant. At approximately 2224 hours, Mr. Ravnsborg contacted 911 and reported he had struck an unknown object with his vehicle and requested police response. It is notable that Ravnsborg is the elected Attorney General for South Dakota.

Hyde County Sheriff Mike Volek responded to the scene. Volek reported that he and Ravnsborg had conducted a preliminary search of the north ditch of US Hwy 14 searching for the unknown object that Ravnsborg had struck but did not locate anything. Ravnsborg was not injured in the crash. Volek loaned his personal car to Ravnsborg who used it to return to Pierre, SD, prior to the arrival of a tow truck.

Your affiant states that, on the morning of September 13th, Ravnsborg was returning the vehicle and stopped at the crash scene. Mr. Ravnsborg discovered a body in the area of the crash he was involved in the night before. Mr. Ravnsborg notified Sheriff Volek of his discovery. The South Dakota Highway Patrol was requested to respond and investigate the crash.
SDHP personnel later identified the pedestrian as Joseph Boever. His body was located in the north ditch of US Hwy 14, approximately 2 feet north of the asphalt edge of the road shoulder. Visible evidence at the scene is limited to the north shoulder of the roadway and north ditch, with exception to one bolt. That bolt is located near the north fogline. In addition, a light was located in the area of the crash along the north ditch. At the time of its discovery, the light was still in the "on" position and illuminated. Preliminary investigation indicates that Boever was carrying a light while walking a few minutes before the crash, and that the light was illuminated.

A preliminary inspection of the vehicle revealed that the 2011 Ford Taurus driven by Ravnsborg likely struck Boever with the front passenger corner causing damage to the right headlight, right front fender, right outside mirror, right side of the hood, windshield, wheel well and bumper. Based on the location of Boever's body at the time of discovery, the location of physical evidence at the scene of the crash, and the damage to Ravnsborg vehicle, it is likely that Boever was walking on the north edge of the highway, likely on the north side of the fog line, and carrying an illuminated light when he was struck by Ravnsborg.

Your affiant states that an additional aspect of the investigation involves activity and behaviors of Ravnsborg in the moments before and after the crash. These activities may lend some clarity to contributing factors of the crash, such as speed, impairment, or, in
this case, whether Ravnsborg was distracted at the time of the crash, leading him to operate his vehicle in a reckless or negligent manner.

Due to his position as the elected Attorney General for the State of South Dakota, Ravnsborg oversees the SD Division of Criminal Investigation. Consequently, assistance was requested from the North Dakota Bureau of Criminal Investigation and they arrived later on 9-13-2020.

Special Agent (S/A) Cassidy Halseth was one of the agents that assisted in the investigation and has been involved in the process of extracting information from the cellular telephones of Ravnsborg. On 9/29/2020, SA Halseth contacted your affiant for assistance in obtaining search warrants for the electronic activity of Ravnsborg in the periods of time surrounding the crash. SA Halseth provided the following supplement to this affidavit:

Special Agent Cassidy Halseth, has been employed with the North Dakota Bureau of Criminal Investigation since December of 2017 and has been a licensed peace officer in the State of North Dakota since 2001. Prior to being employed by the North Dakota Bureau of Criminal Investigation, S/A Halseth was employed by the Minot Police Department, Minot, ND from September 2002 to December 2017. S/A Halseth has received training in computer forensics from X-Ways Forensics. Access Data for Forensic Tool Kit, Cellebrite, Magnet Forensics, and through the International Association of Computer Investigative Specialists (IACIS) Basic Computer Forensic Examiners Course and is a currently certified Computer Forensic Examiner through IACIS.

S/A Halseth stated that S/A Halseth received two cellular phones belonging to Jason Ravnsborg as part of this investigation. Both of the cellular phones were reported to be in the possession of Jason Ravnsborg during the crash incident. Jason Ravnsborg voluntarily consented to having both these cellular phones examined. The first cellular phone was an LG Model LM-Q720AM cell phone with serial number 910VTJH0029972. The second cellular phone was an Apple iPhone XR Model number A1984 with serial number DX3YN7BYKXKN.

S/A Halseth conducted a data extraction of the LG Model LM-Q720AM cell phone on 9-142020. S/A Halseth was able to obtain a file system extraction on the LG cell phone using the Cellebrite 4PC, but was unsuccessful in obtaining the logical extraction from the LG Cell phone. S/A Halseth made several attempts at completing the logical extraction, but every time was unsuccessful. S/A Halseth then utilized the Magnet Forensics Acquire software and was able to obtain an Acquire Quick Image of the LG cell phone. S/A Halseth found that the extractions that were collected did not contain any text/chat messages, phone logs, browser history, or any information about applications that were installed or in use on the LG cell phone. The extractions mainly contained image files, video files, and other types of media files.

On 9-15-2020, S/A Halseth conducted a data extraction on the Apple iPhone XR Model number A1984.

On 9-17-2020, S/A Halseth examined the data recovered from the Apple iPhone. S/A Halseth saw that there was activity on the phone right before the 911 call was made by AG Ravnsborg. S/A Halseth also identified that the iPhone was linked to the email address Jason.ravnsborg@state.sd.us which was being used as the Apple ID.

S/A Halseth found that a 911 call was made from the Apple iPhone XR on September \(12^{\text {th }}, 2020\) at 10:24:22 and that the call lasted 142 seconds. S/A Halseth found that that there was Apple Safari History showing that on September \(12^{\text {th }}, 2020\) at 10:21:45 the following website was locally browsed from the Apple iPhone XR ; https://justthenews.com/accountability/political-ethics/riding-dragon-documentary-exposes-massive-biden-self-enrichment. Prior to that website being browsed, the following websites were also locally browsed:
a. https://mail.yahoo.com \(/ \mathrm{m} /\) ?. \(\mathrm{src}=\mathrm{ym} \&\) reason=mobile September \(12^{\text {th }}, 2020\) at 10:17:25 PM
b. \(\quad\) https: \(/ / \mathrm{mail}\).yahoo.com \(/ \mathrm{m} /\) folders \(/ 1\) ?.src=ym\&reason=mobile

September 12 \({ }^{\text {th }}, 2020\) at 10:17:26 PM
c.
https://mail.yahoo.com/m/folders/1/messages/AM5Sv3hQjkCmX11aoQkf8Btz7F0 September \(12^{\text {th }}, 2020\) at 10:18:21 PM
d. \(\quad \mathrm{https}: / / \mathrm{mail}\).yahoo.com/m/folders/1? \(\mathrm{src}=\mathrm{ym}\) \&reason=mobile September \(12^{\text {th }}, 2020\) at \(10: 20: 42\) PM
e. http://dakotafreepress.com/

September \(12^{\text {th }}, 2020\) at 10:20:49 PM
f. https://www,realclearpolitics.com/

September \(12^{\text {th }}, 2020\) at \(10: 21: 13 \mathrm{PM}\)
S/A Halseth was able to find the phone number for the Apple iPhone. The phone number was 605-295-0802. Based on this information, it appeared the cellular phone service for the phone was through Cellco Partnerships \(\mathrm{d} / \mathrm{b} / \mathrm{a}\) Verizon Wireless.

This affidavit is submitted in support of an application for the issuance of a search warrant for Cellco Partnership \(\mathrm{d} / \mathrm{b} / \mathrm{a}\) Verizon Wireless. Attn: Custodian of Records Cellco Partnership d/b/a Verizon Wireless., 180 Washington Valley Road, Bedminster, NJ 07921 Verizon Wireless Account: 605-295-0802.

Your affiant states that, due to the nature of this investigation and the involvement of investigators from the state of ND, the information sought from this warrant will be transmitted to the state of North Dakota for analysis by SA Halseth. Your affiant asks the court to authorize the items disclosed be sent directly to SA Halseth, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

Your affiant states that there is probable cause to believe that currently within the aforementioned Verizon Wireless account, there exists, evidence, fruits,
instrumentalities, of violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites--Prohibition) and 32-26-47.1 (Use of mobile electronic device-Prohibitions.)

Your Affiant is submitting this affidavit in support of a warrant authorizing a search of Cello Partnership d/b/a Verizon Wireless. Attn: Custodian of Records Cello Partnership d/b/a Verizon Wireless., 180 Washington Valley Road, Bedminster, NJ 07921 Verizon Wireless Account: 605-295-0802. and media found therein.

Your Affiant obtained a search warrant on October 1, 2020. That warrant was served by Agents from the North Dakota Bureau of Criminal Investigation (ND BCI) to Cello Partnership d/b/a Verizon Wireless on October 2, 2020. Agents from the ND BCI received the information back from Cello Partnership \(\mathrm{d} / \mathrm{b} / \mathrm{a}\) Verizon Wireless on November 12, 2020. Agents from the ND BCI downloaded but have not reviewed the data provided by Cello Partnership d/b/a Verizon Wireless. Your Affiant is seeking a second warrant for the ND BCI to open the information provided by Cello Partnership \(\mathrm{d} / \mathrm{b} / \mathrm{a}\) Verizon Wireless. to comply with the requirements addressed by US \(8^{\text {th }}\) Circuit Couttof Aprils decision of the United States of America v. Meamen Jean Nyah.


Subscribed to and before me, in my presence this 0,20 day of November, 2020.


STATE OF SOUTH DAKOTA) COUNTY OF HYDE )

STATE OF SOUTH DAKOTA
Plaintiff,
vs.
Jason Ravnsborg and
Cellco Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.
(View Information Received on November 12)
Defendant,
TO ANY LAW ENFORCEMENT OFFICER IN THE COUNTY OF HYDE:
Proof of Affidavit has been made before me by Trooper John Berndt that there is probable cause to believe that the property described herein may be found at the location set forth herein and the property is:
(PLACE INITIALS IN APPROPRIATE BLANKS)
BJR Property that constitutes evidence of the commission of a criminal offense; Contraband, the fruits of crime, or things otherwise criminally possessed; Property designed to intended for use in, or which is or has been used as the means of, committing a criminal offense.

\section*{YOU ARE THEREFORE, commanded to search:}

Cellco Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.

\section*{For the following property:}
1. The contents of any communication or file stored by or for the Account(s) and any associated accounts, and any information associated with those communications or files, such as the source and destination email addresses or IP addresses.
2. All records and other information relating to the Account(s) and any associated accounts including the following:
a. Names (including subscriber names, user names, and screen names);
b. Addresses (including mailing addresses, residential addresses, business addresses, and e-mail addresses);
c. Local and long distance telephone connection records;
d. Records of session times and durations;
e. Length of service (including start date) and types of service utilized;
f. Telephone or instrument numbers (including MAC addresses);
g. Other subscriber numbers or identities (including temporarily assigned network addresses, registration Internet Protocol ("IP") addresses, and records showing IP addresses used to access the Account(s)); and
h. Means and source of payment for such service (including any credit card or bank account number) and billing records.
i. Data record logs
j. Tolls -date, time and length of call for outgoing calls, only non-restricted inbound
k. SMS/MMS/iMessages Logs and stored Communication
1. Cell Tower records
M. Call Detail Records -date, time and length of call for outgoing and incoming calls; captures outbound digits and incoming numbers
N. ESN-electronic serial number of the phone
0. Calls to a Number-date, time and length of calls for all mobiles that called a specific destination number
P. Location-cell site that handled the call and GPS coordinates

All information described above that constitutes contraband, fruits, evidence and/or instrumentalities of violations of South Dakota Codified Laws 32-26-47.2 (Social networking sites--Prohibition) and 32-26-47.1 (Use of mobile electronic device-Prohibitions.), involving Jason Ravnsborg (605-295-0802) from September 12, 2020 and September 13, 2020 including, for each account or identifiers listed, information pertaining to the following matters:
a. The identity of the person(s) who created or used the cellular phone, including records that help reveal the whereabouts of such person(s);
b. Evidence indicating how and when the account was accessed or used, to determine the chronological and geographic context of account access, use and events relating to the crime under investigation and the account subscriber;

Information from the original warrant to Cellco Partnership d/b/a Verizon Wireless, dated October 1, 2020 was served on October 2, 2020. Information was received from Cellco Partnership d/b/a Verizon Wireless by the ND BCI on November 12, 2020. This warrant authorizes the information received on November 12, 2020 to be opened and viewed.
This warrant meets the requirements addressed by US \(8^{\text {th }}\) Circuit Court of Appeals decision of the United States of America v. Meamen Jean Nyah.

\section*{Method of Service}

Items disclosed pursuant to this search warrant can be served by sending, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.
This Warrant may be executed in accordance with my initials placed below:

\section*{(YOU MUST INITIAL AT LEAST ONE BLANK)}

You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4. BJR You may serve this Warrant only during the daytime. Night is that period from 8:00 p.m. to 8:00 a.m. local time.

You may execute this Warrant without notice of execution required by SDCL 23A-35-9 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed of), (that danger of life or limb or the officer or another, may result).

You may serve this Warrant on Sunday.

If the above-described property be seized, it should be returned to me at the Courthouse of this Court.

Dated this 18th day of November_2020, at Hughes County South Dakota.

```

STATE OF SOUTH DAKOTA)
COUNTY OF HYDE )
IN CIRCUIT COURT MAGISTRATE DIVISION $6^{\mathrm{h}}$ JUDICIAL CIRCUIT

```

STATE OF SOUTH DAKOTA)
PLAINTIFF, )
VERIFIED INVENTORY
vs,
Cellco Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.
DEFENDANT)
Warrant dated November 18, 2020
(In the matter of a FATAL CRASH in Hyde County)

I, Trooper John Berndt, a law enforcement officer of the State of South Dakota, applied for a Search Warrant dated October \(1^{\text {stt }}, 2020\), issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken during the execution of the above described Warrant:

Your affiant states - On October 2nd, 2020 S/A Halseth served the search warrant on Cellco Partnership d/b/a Verizon Wireless that had been granted on October \(1^{\text {st }}, 2020\) for the contents of Attorney General Jason Ravsborg's Verizon Wireless Account: 605-295-0802. On November 12 \({ }^{\text {th }}\), 2020 S/A Cassidy Halseth received from Cellco Partnership d/b/a Verizon Wireless an email containing one file containing the information requested from the search warrant that was applied for and signed on October \(1^{\text {st }}\), 2020.

On November \(18^{\text {th }}, 2020\) a second search warrant was applied for and granted to allow the viewing of the Cellco Partnership \(\mathrm{d} / \mathrm{b} / \mathrm{a}\) Verizon Wireless: 605-295-0802. On November \(23^{\text {rd }}, 2020\) S/A Halseth was able to review all contents received, and was able to save and preserve all contents received.

ND BCI S/A Halseth will save and maintain the contents that were downloaded and all contents will be made available for review upon
request. Please accept this letter along with the original copy of the signed search warrant to complete the search warrant return requirement.

Dated this \(25^{\text {th }}\) day of November, 2020, at Aberdeen, South Dakota.

Subscribed to and sworn to before me, a Notary Public, on this - day of November, 2020.


STATE OF SOUTH DAKOTA )
Plaintiff,

\title{
AFFIDAVIT IN SUPPORT OF SEALING SEARCH WARRANT AFFIDAVIT
}

\section*{Vs.}

\section*{Jason Ravnsborg and,}

Cellco Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.

\section*{Defendant,}
(In the matter of a Fatal Crash in Hyde County)
Search Warrant issued November 18, 2020.

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that, should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of the investigation and the information currently being obtained during the course-of 6 䄧s investigation.


Subscribed and sworn to before me, in my presence, this 25 day of No.en 2020


My commission expires: \(\qquad\)

STATE OF SOUTH DAKOTA
Plaintiff,
vs.
ORDER TO SEAL PURSUANT
TO SDCL 23A-35-4.1

Jason Ravnsborg and,
Cello Partnership d/b/a Verizon Wireless.
Attn: Custodian of Records
180 Washington Valley Road, Bedminster, NJ 07921
Verizon Wireless Account: 605-295-0802.
Defendant
(In the matter of Fatal Crash Investigation)
Search Warrant issued November 18, 2020
Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated November 18, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this \(25^{\text {th }}\) day of November, 2020.


Honorable Bobbi J. Rank Circuit Court Judge

STATE OF SOUTH DAKOTA)
COUNTY OF _HYDE_)

IN CIRCUIT COURT
MAGISTRATE DIVISION JUDICIAL CIRCUIT

STATE OF SOUTH DAKOTA)
PLAINTIFF, )
VS, PLANNTIFF, )

\title{
AFFIDAVIT IN SUPPORT OF
} REQUEST FOR SEARCH WARRANT

Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com

\section*{DEFENDANT)}
(In the matter of a FATAL CRASH in Hyde County)

The undersigned being duly sworn, respectfully requests a Search Warrant to be issued for the following property/information:
Yahoo Accounts: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com and any data found therein, including the following:
The following records, documents, and items that constitute evidence, contraband, fruits of crime, other items illegally possessed, and property designed for use, intended for use, or used in violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites-Prohibition) and 32-26-47.1 (Use of mobile electronic device--Prohibitions.), relating to materials involving the accessing, reading, posting or use of any mobile electronic device while operating a motor vehicle, in any form wherever it may be stored or found including:

Subscriber information to include
1. The name provided by the user
2. The email address provided by the user
3. The time and date of account registration
4. The type of account and payment information
5. The IP addresses recorded for account logins and uploads
6. The last-seen IP address of computers linked to an account
7. Mobile device information

Yahoo! Mail to include
1. Any email available in the user's mail account,
2. Including IP address or MAC address of computer used to send email
3. Any available times that emails where viewed, sent or received

All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, and other identifiers, records of session times and durations, the date on which the account was created, the length of service, the types of service utilized, the IP address used to register the account, log-in IP addresses associated with session times and dates, account status, alternative email addresses provided during registration, methods of connecting, and log files.

All records or other information stored by an individual using the account, including address books, contact and buddy lists, calendar data, internet history, pictures and files from September 12, 2020 and September 13, 2020.

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property (Describe premises with address, description and particularity)

Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com

The undersigned requests that the Search Warrant be issued because the above-described property is:
(PLACE INITIALS IN THE APPROPRIATE BLANK)
Property that constitutes evidence of the commission of a criminal offense;
Contraband, the fruits of crime, or things otherwise criminally possessed;
\(\qquad\) Property designed or intended for use in, or which is or had been used as the means of, committing a criminal offense.

The undersigned further requests:
(PLACE INITIALS IN THE APPROPRIATE BLANK)
\(\qquad\) Execution of Search Warrant at night pursuant to SDCL 23A-35-A;
\(\qquad\) That no notice be giving to the execution of the Search Warrant pursuant to SDCL 23A-35-9;
Authorization to serve the Search Warrant on Sunday;
Execution of the Search Warrant during the daytime;

The facts in support of the issuance of a Search Warrant are as follows;
Your Affiant, Trooper John Berndt, of the South Dakota Highway Patrol being first duly sworn, deposes and states under penalty of perjury:

Your Affiant is a Trooper with the South Dakota Highway Patrol and have been so employed for the past 4 years and 9 months. Your Affiant was also employed as a State Trooper from the time of October 2005 until August of 2014. During this time, Your Affiant was trained as a Crash Reconstructionist and was responsible for the reconstruction of serious injury and fatality crashes. Prior to attaining the title of South Dakota State Trooper, Your Affiant was employed by the South Dakota Highway Patrol Motor Carrier Services Division as a Motor Carrier Inspector and Motor Carrier Officer for 7 years and 2 months. Your Affiant has been trained and actively involved in the investigation of motor vehicle crashes.

Your Affiant has investigated and/or reconstructed numerous vehicle crashes involving bodily injury. Your Affiant has been actively involved in the investigation of over 100 fatal crashes. Your Affiant has received over 1,050 hours of training in the investigation and reconstruction of traffic crashes. Your Affiant currently instructs Intermediate and Advanced Crash Investigation to law enforcement in South Dakota. Your affiant states the following:

On 09/13/20, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County. The crash had occurred the previous evening, on 09/12/20. Your affiant responded to the crash scene immediately following notification. On arrival, initial responding law enforcement advised that the preliminary investigation indicated a 2011 Red Ford Taurus bearing SD Lic\# G00027 and registered to Jason Ravnsborg was traveling westbound on US Hwy 14 near MM 277. Preliminary investigation indicated the vehicle was being operated by Ravnsborg, who was the lone occupant. At approximately 2224 hours, Mr. Ravnsborg contacted 911 and reported he had struck an unknown object with his vehicle and requested police response. It is notable that Ravnsborg is the elected Attorney General for South Dakota.

Hyde County Sheriff Mike Volek responded to the scene. Volek reported that he and Ravnsborg had conducted a preliminary search of the north ditch of US Hwy 14 searching for the unknown object that Ravnsborg had struck but did not locate anything. Ravnsborg was not injured in the crash. Volek loaned his personal car to Ravnsborg who used it to return to Pierre, SD, prior to the arrival of a tow truck.

Your affiant states that, on the morning of September 13th, Ravnsborg was returning the vehicle and stopped at the crash scene. Mr. Ravnsborg discovered a body in the area of the crash he was involved in the night before. Mr. Ravnsborg notified Sheriff Volek of his discovery. The South Dakota Highway Patrol was requested to respond and investigate the crash.

SDHP personnel later identified the pedestrian as Joseph Boever. His body was located in the north ditch of US Hwy 14, approximately 2 feet north of the asphalt edge of the road shoulder. Visible evidence at the scene is limited to the north shoulder of the roadway and north ditch, with exception to one bolt. That bolt is located near the north fogline. In addition, a light was located in the area of the crash along the north ditch. At the time of its discovery, the light was still in the "on" position and illuminated. Preliminary investigation indicates that Boever was carrying a light while walking a few minutes before the crash, and that the light was illuminated.

A preliminary inspection of the vehicle revealed that the 2011 Ford Taurus driven by Ravnsborg likely struck Boever with the front passenger corner causing damage to the right headlight, right front fender, right outside mirror, right side of the hood, windshield, wheel well and bumper. Based on the location of Boever's body at the time of discovery, the location of physical evidence at the scene of the crash, and the damage to Ravnsborg vehicle, it is likely that Boever was walking on the north edge of the highway, likely on the north side of the fog line, and carrying an illuminated light when he was struck by Ravnsborg.

Your affiant states that an additional aspect of the investigation involves activity and behaviors of Ravnsborg in the moments before and after the crash. These activities may lend some clarity to contributing factors of the crash, such as speed, impairment, or, in this case, whether Ravnsborg was distracted at the time of the crash, leading him to operate his vehicle in a reckless or negligent manner.

Due to his position as the elected Attorney General for the State of South Dakota, Ravnsborg oversees the SD Division of Criminal Investigation. Consequently, assistance was requested from the North Dakota Bureau of Criminal Investigation and they arrived later on 9-13-2020.

Special Agent (S/A) Cassidy Halseth was one of the agents that assisted in the investigation and has been involved in the process of extracting information from the cellular telephones of Ravnsborg. On 9/29/2020, SA Halseth contacted your affiant for assistance in obtaining search warrants for the electronic activity of Ravnsborg in the periods of time surrounding the crash. SA Halseth provided the following supplement to this affidavit:

Special Agent Cassidy Halseth, has been employed with the North Dakota Bureau of Criminal Investigation since December of 2017 and has been a licensed peace officer in the State of North Dakota since 2001. Prior to being employed by the North Dakota Bureau of Criminal Investigation, S/A Halseth was employed by the Minot Police Department, Minot, ND from September 2002 to December 2017. S/A Halseth has received training in computer forensics from X-Ways Forensics. Access Data for Forensic Tool Kit, Cellebrite, Magnet Forensics, and through the International Association of Computer Investigative Specialists (IACIS) Basic Computer Forensic Examiners Course and is a currently certified Computer Forensic Examiner through IACIS.

S/A Halseth stated that S/A Halseth received two cellular phones belonging to Jason Ravnsborg as part of this investigation. Both of the cellular phones were reported to be in the possession of Jason Ravnsborg during the crash incident. Jason Ravnsborg voluntarily consented to having both these cellular phones examined. The first cellular phone was an LG Model LM-Q720AM cell phone with serial number 910VTJH0029972. The second cellular phone was an Apple iPhone XR Model number A1984 with serial number DX3YN7BYKXKN.

S/A Halseth conducted a data extraction of the LG Model LM-Q720AM cell phone on 9-14-2020. S/A Halseth was able to obtain a file system extraction on the LG cell phone using the Cellebrite 4 PC , but was unsuccessful in obtaining the logical extraction from the LG Cell phone. S/A Halseth made several attempts at completing the logical extraction, but every time was unsuccessful. S/A Halseth then utilized the Magnet Forensics Acquire software and was able to obtain an Acquire Quick Image of the LG cell phone. S/A Halseth found that the extractions that were collected did not contain any text/chat messages, phone logs, browser history, or any information about applications that were installed or in use on the LG cell phone. The extractions mainly contained image files, video files, and other types of media files.

On 9-15-2020, S/A Halseth conducted a data extraction on the Apple iPhone XR Model number A1984.

On 9-17-2020, S/A Halseth examined the data recovered from the Apple iPhone. S/A Halseth saw that there was activity on the phone right before the 911 call was made by AG Ravnsborg. S/A Halseth also identified that the iPhone was linked to the email address Jason.ravnsborg@state.sd.us which was being used as the Apple ID.

S/A Halseth found that a 911 call was made from the Apple iPhone XR on September \(12^{\text {th }}, 2020\) at 10:24:22 and that the call lasted 142 seconds. S/A Halseth found that that there was Apple Safari History showing that on September 12 \({ }^{\text {th }}, 2020\) at 10:21:45 the following website was locally browsed from the Apple iPhone XR ; https://justthenews.com/accountability/political-ethics/riding-dragon-documentary-exposes-massive-biden-self-enrichment. Prior to that website being browsed, the following websites were also locally browsed:
a. \(\quad \mathrm{https}: / / \mathrm{mail} . \mathrm{yahoo} . \mathrm{com} / \mathrm{m} /\) ? \(\mathrm{src}=\mathrm{ym} \& r e a s o n=-\mathrm{mobile}\)

September \(12^{\text {th }}, 2020\) at 10:17:25 PM
b. \(\quad\) https: \(: / \mathrm{mail}\). yahoo.com \(/ \mathrm{m} /\) folders \(/ 12 . \mathrm{src}=y \mathrm{~m} \&\) reason=mobile

September \(12^{\text {th }}, 2020\) at 10:17:26 PM
c.
https://mail.yahoo.com/m/folders/1/messages/AM5Sv3hQjkCmX11aoQkf8Btz7F0 September \(12^{\text {th }}, 2020\) at \(10: 18: 21 \mathrm{PM}\)
d. \(\quad \mathrm{https}: / /\) mail. yahoo.com \(/ \mathrm{m} /\) folders \(/ 12 . \mathrm{src}=y m \& r e a s o n=\) =mobile

September \(12^{\text {¹ }}, 2020\) at 10:20:42 PM
e. http://dakotafreepress.com/

September 12 \({ }^{\text {th }}, 2020\) at 10:20:49 PM
f. https://www.realclearpolitics.com/

September \(12^{\text {th }}, 2020\) at 10:21:13 PM

S/A Halseth located evidence in the data extraction that indicated that two Yahoo! Email accounts were associated with the Apple iPhone. Those email addresses were JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com.

This affidavit is submitted in support of an application for the issuance of a search warrant for Oath Holdings Inc. Attn: Custodian of Records 701 First Avenue Sunnyvale, California 94089, Yahoo Accounts: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com and any data found therein.

Your affiant states that, due to the nature of this investigation and the involvement of investigators from the state of ND, the information sought from this warrant will be transmitted to the state of North Dakota for analysis by SA. Halseth. Your affiant asks the court to authorize the items disclosed be sent directly to SA Halseth, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

Your Affiant believes there is probable cause to believe that currently within the aforementioned Yahoo accounts, there exists, evidence, fruits, instrumentalities, of violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites-m Prohibition) and 32-26-47.1 (Use of mobile electronic device--Prohibitions.)

Your affiant is submitting this affidavit in support of a warrant authorizing a search of Oath Holdings Inc. Attn: Custodian of Records 701 First Avenue Sunnyvale, California 94089, Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com and media found therein, for the items specified and listed above which items sonstiterinstrumentalities, fruits, and evidence of the


Subscribed to and before me, in my presence this day of October, 2020.


My Commission Expires 06-07-2025

STATE OF SOUTH DAKOTA)
COUNTY OF HYDE )

STATE OF SOUTH DAKOTA
Plaintiff,
vs.

Jason Ravnsborg and

IN CIRCUIT COURT
SS
SIXTH JUDICIAL CIRCUIT

\section*{SEARCH WARRANT}

Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com

Defendant,

TO ANY LAW ENFORCEMENT OFFICER IN THE COUNTY OF PENNINGTON:
Proof of Affidavit has been made before me by Trooper John Berndt that there is probable cause to believe that the property described herein may be found at the location set forth herein and the property is:

\section*{(PLACE INITIALS IN APPROPRIATE BLANKS)}

\section*{BJR} Property that constitutes evidence of the commission of a criminal offense; Contraband, the fruits of crime, or things otherwise criminally possessed; Property designed to intended for use in, or which is or has been used as the means of, committing a criminal offense.

\section*{YOU ARE THEREFORE, commanded to search:}

Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com

\section*{For the following property:}

Yahoo Accounts: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com and any data found therein, including the following:for September 12, 2020, and September 13, 2020:

The following records, documents, and items that constitute evidence, contraband, fruits of crime, other items illegally possessed, and property designed for use, intended for use, or used in violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites-Prohibition) and 32-26-47.1 (Use of mobile electronic device--Prohibitions.), relating to materials involving the accessing, reading, posting or use of any mobile electronic device while operating a motor vehicle, in any form wherever it may be stored or found including:

Subscriber information to include
1. The name provided by the user
2. The email address provided by the user
3. The time and date of account registration
4. The type of account and payment information
5. The IP addresses recorded for account logins and uploads
6. The last-seen IP address of computers linked to an account
7. Mobile device information

Yahoo! Mail to include
1. Any email available in the user's mail account,
2. Including IP address or MAC address of computer used to send email
3. Any available times that emails where viewed, sent or received

All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, and other identifiers, records of session times and durations, the date on which the account was created, the length of service, the types of service utilized, the IP address used to register the account, log-in IP addresses associated with session times and dates, account status, alternative email addresses provided during registration, methods of connecting, and log files.

All records or other information stored by an individual using the account, including address books, contact and buddy lists, calendar data, internet history, pictures, and files from September 12, 2020 and September 13, 2020.

\section*{Method of Service}

Items disclosed pursuant to this search warrant can be served by sending, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.
This Warrant may be executed in accordance with my initials placed below:

\section*{(YOU MUST INITIAL AT LEAST ONE BLANK)}
\(\qquad\) You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4. BJR You may serve this Warrant only during the daytime. Night is that period from 8:00 p.m. to 8:00 am. local time.
\(\qquad\) You may execute this Warrant without notice of execution required by SDCL 23A-35-9 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed of), (that danger of life or limb or the officer or another, may result).
\(\qquad\) You may serve this Warrant on Sunday.

If the above-described property be seized, it should be returned to me at the Courthouse of this Court.

Dated this 2nd day of October _2020, at_Tripp County_, South Dakota.

(Magistrate) (Circuit Judge)
STATE OF SOUTH DAKOTA)
COUNTY OF HYDE

IN CIRCUIT COURT MAGISTRATE DIVISION \(6^{\text {th }}\) JUDICIAL CIRCUIT

\section*{STATE OF SOUTH DAKOTA)} PLAINTIFF, )

\title{
VERIFIED INVENTORY
}

\section*{Vs,}

Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com
DEFENDANT)
Warrant dated October 2, 2020
(In the matter of a FATAL CRASH in Hyde County)

I, Trooper John Berndt, a law enforcement officer of the State of South Dakota, applied for a Search Warrant dated October 2 \({ }^{\text {nd }}, 2020\), issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken during the execution of the above described Warrant:

Your affiant states - On October \(2^{\text {nd }}, 2020\) S/A Halseth served the search warrant on Oath Holdings Inc. Attn: Custodian of Records that had been granted on October \(2^{\text {nd }}, 2020\) for the contents of Attorney General Jason Ravnsborg's Yahoo Accounts:JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com. On November \(12^{\text {th }}, 2020\) S/A Cassidy Halseth received from Oath Holdings Inc.; Custodian of Records, an email containing one zip file containing the information requested from the search warrant that was applied for and signed on October \(2^{\text {nd }}, 2020\).

On November 18th, 2020 a second search warrant was applied for and granted to allow the viewing of the Yahoo Accounts:JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com. . On November \(18^{\text {th }}, 2020\) S/A Halseth was able to review all contents received, and was able to save and preserve all contents received.

S/A Halseth will save and maintain the contents that were received and all contents will be made available for review upon request. Please accept
this letter along with the original copy of the signed search warrant to complete the search warrant return requirement.

Dated this \(25^{4}\) g day of November,2020, at Aberdeen, South Dakota.

Subscribed to and sworn to before me, a Notary Public, on this day of November, 2020.


STATE OF SOUTH DAKOTA ) Plaintiff,) )

Vs.
Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com
Defendant,
(In the matter of a Fatal Crash in Hyde County)
Search Warrant issued October 2nd, 2020

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that, should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of the investigation and the information currently being obtained during the course of this investigation.

Subscribed and sworn to before me, in my presence, this \(\alpha \leq\) day of \(10 \mathrm{~m}_{n}\) La, \(20 \Omega 0\)


My commission expires:
My Commission Expires 06-07-2025
\(\qquad\)

STATE OF SOUTH DAKOTA )
HYDE COUNTY

SIXTH JUDICIAL CIRCUIT

STATE OF SOUTH DAKOTA
Plaintiff,
vs.
Jason Ravnsborg and
Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue, Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com
Defendant
(In the matter of Fatal Crash Investigation)
Search Warrant issued October 2, 2020
Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated October 2, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this \(25^{\text {th }}\) day of November, 2020.


Honorable Bobbi J. Rank Circuit Court Judge
\(\qquad\)

STATE OF SOUTH DAKOTA)
PLAINTIFF, )
VS, )

AFFIDAVIT IN SUPPORT OF REQUEST FOR
SEARCH WARRANT

Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: IRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com

\section*{(View Information Received on November 12)}

\section*{DEFENDANT)}
(In the matter of a FATAL CRASH in Hyde County)

The undersigned being duly sworn, respectfully requests a Search Warrant to be issued for the following property/information:

Yahoo Accounts: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com and any data found therein, including the following:

The following records, documents, and items that constitute evidence, contraband, fruits of crime, other items illegally possessed, and property designed for use, intended for use, or used in violation of South Dakota Codified Laws 32-26-47.2 (Social networking sitesProhibition) and 32-26-47.1 (Use of mobile electronic device--Prohibitions.), relating to materials involving the accessing, reading, posting or use of any mobile electronic device while operating a motor vehicle, in any form wherever it may be stored or found including:

Subscriber information to include
1. The name provided by the user
2. The email address provided by the user
3. The time and date of account registration
4. The type of account and payment information
5. The IP addresses recorded for account logins and uploads
6. The last-seen IP address of computers linked to an account
7. Mobile device information

Yahoo! Mail to include
1. Any email available in the user's mail account,
2. Including IP address or MAC address of computer used to send email
3. Any available times that emails where viewed, sent or received

All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, and other identifiers, records of session times and durations, the date on which the account was created, the length of service, the types of service utilized, the IP address used to register the account, log-in IP addresses associated with session times and dates, account status, alternative email addresses provided during registration, methods of connecting, and log files.

All records or other information stored by an individual using the account, including address books, contact and buddy lists, calendar data, internet history, pictures and files from September 12, 2020 and September 13, 2020.

The undersigned respectfully requests that the Search Warrant be issued to permit a search at the following premises for the above-described property (Describe premises with address, description and particularity)

Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com

The undersigned requests that the Search Warrant be issued because the above-described property is:

\section*{(PLACE INITIALS IN THE APPROPRIATE BLANK)}

Property that constitutes evidence of the commission of a criminal offense;
\(\qquad\) Contraband, the fruits of crime, or things otherwise criminally possessed;
_Property designed or intended for use in, or which is or had been used as the means of, committing a criminal offense.

The undersigned further requests:
(PLACE INITIALS IN THE APPROPRIATE BLANK)
\(\qquad\) Execution of Search Warrant at night pursuant to SDCL 23A-35-A;
\(\qquad\) That no notice be giving to the execution of the Search Warrant pursuant to SDCL 23A-35-9;
Authorization to serve the Search Warrant on Sunday;

\section*{The facts in support of the issuance of a Search Warrant are as follows;}

Your Affiant, Trooper John Berndt, of the South Dakota Highway Patrol being first duly sworn, deposes and states under penalty of perjury:

Your Affiant is a Trooper with the South Dakota Highway Patrol and have been so employed for the past 4 years and 9 months. Your Affiant was also employed as a State Trooper from the time of October 2005 until August of 2014. During this time, Your Affiant was trained as a Crash Reconstructionist and was responsible for the reconstruction of serious injury and fatality crashes. Prior to attaining the title of South Dakota State Trooper, Your Affiant was employed by the South Dakota Highway Patrol Motor Carrier Services Division as a Motor Carrier Inspector and Motor Carrier Officer for 7 years and 2 months. Your Affiant has been trained and actively involved in the investigation of motor vehicle crashes.

Your Affiant has investigated and/or reconstructed numerous vehicle crashes involving bodily injury. Your Affiant has been actively involved in the investigation of over 100 fatal crashes. Your Affiant has received over 1,050 hours of training in the investigation and reconstruction of traffic crashes. Your Affiant currently instructs Intermediate and Advanced Crash Investigation to law enforcement in South Dakota. Your affiant states the following:

On 09/13/20, approximately 0950 hours, your affiant was notified via cell phone of a vehicle vs pedestrian crash near MM 277 on US 14 in Hyde County. The crash had occurred the previous evening, on 09/12/20. Your affiant responded to the crash scene immediately following notification. On arrival, initial responding law enforcement advised that the preliminary investigation indicated a 2011 Red Ford Taurus bearing SD Lic\# G00027 and registered to Jason Ravnsborg was traveling westbound on US Hwy 14 near MM 277. Preliminary investigation indicated the vehicle was being operated by Ravnsborg, who was the lone occupant. At approximately 2224 hours, Mr. Ravnsborg contacted 911 and reported he had struck an unknown object with his vehicle and requested police response. It is notable that Ravnsborg is the elected Attorney General for South Dakota.

Hyde County Sheriff Mike Volek responded to the scene. Volek reported that he and Ravnsborg had conducted a preliminary search of the north ditch of US Hwy 14 searching for the unknown object that Ravnsborg had struck but did not locate anything. Ravnsborg was not injured in the crash. Volek loaned his personal car to Ravnsborg who used it to return to Pierre, SD, prior to the arrival of a tow truck.

Your affiant states that, on the morning of September 13th, Ravnsborg was returning the vehicle and stopped at the crash scene. Mr. Ravnsborg discovered a body in the area of the crash he was involved in the night before. Mr. Ravnsborg notified Sheriff Volek of his discovery. The South Dakota Fighway Patrol was requested to respond and investigate the crash.

SDHP personnel later identified the pedestrian as Joseph Boever. His body was located in the north ditch of US Hwy 14, approximately 2 feet north of the asphalt edge of the road shoulder. Visible evidence at the scene is limited to the north shoulder of the roadway and north ditch, with exception to one bolt. That bolt is located near the north fogline. In addition, a light was located in the area of the crash along the north ditch. At the time of its discovery, the light was still in the "on" position and illuminated. Preliminary investigation indicates that Boever was carrying a light while walking a few minutes before the crash, and that the light was illuminated.

A preliminary inspection of the vehicle revealed that the 2011 Ford Taurus driven by Ravnsborg likely struck Boever with the front passenger corner causing damage to the right headlight, right front fender, right outside mirror, right side of the hood, windshield, wheel well and bumper. Based on the location of Boever's body at the time of discovery, the location of physical evidence at the scene of the crash, and the damage to Ravnsborg vehicle, it is likely that Boever was walking on the north edge of the highway, likely on the north side of the fog line, and carrying an illuminated light when he was struck by Ravnsborg.

Your affiant states that an additional aspect of the investigation involves activity and behaviors of Ravnsborg in the moments before and after the crash. These activities may lend some clarity to contributing factors of the crash, such as speed, impairment, or, in this case, whether Ravnsborg was distracted at the time of the crash, leading him to operate his vehicle in a reckless or negligent manner.

Due to his position as the elected Attorney General for the State of South Dakota, Ravnsborg oversees the SD Division of Criminal Investigation. Consequently, assistance was requested from the North Dakota Bureau of Criminal Investigation and they arrived later on 9-13-2020.

Special Agent (S/A) Cassidy Halseth was one of the agents that assisted in the investigation and has been involved in the process of extracting information from the cellular telephones of Ravnsborg. On 9/29/2020, SA Halseth contacted your affiant for assistance in obtaining search warrants for the electronic activity of Ravnsborg in the periods of time surrounding the crash. SA Halseth provided the following supplement to this affidavit:

Special Agent Cassidy Halseth, has been employed with the North Dakota Bureau of Criminal Investigation since December of 2017 and has been a licensed peace officer in the State of North Dakota since 2001. Prior to being employed by the North Dakota Bureau of Criminal Investigation, S/A Halseth was employed by the Minot Police Department, Minot, ND from September 2002 to December 2017. S/A Halseth has received training in computer forensics from X-Ways Forensics. Access Data for Forensic Tool Kit, Cellebrite, Magnet Forensics, and through the International Association of Computer Investigative Specialists (IACIS) Basic Computer Forensic Examiners Course and is a currently certified Computer Forensic Examiner through IACIS.

S/A Halseth stated that S/A Halseth received two cellular phones belonging to Jason Ravnsborg as part of this investigation. Both of the cellular phones were reported to be in the possession of Jason Ravnsborg during the crash incident. Jason Ravnsborg voluntarily consented to having both these cellular phones examined. The first cellular phone was an LG Model LM-Q720AM cell phone with serial number 910VTJH0029972. The second cellular phone was an Apple iPhone XR Model number A1984 with serial number DX3 YN7BYKXKN.

S/A Halseth conducted a data extraction of the LG Model LM-Q720AM cell phone on 9-14-2020. S/A Halseth was able to obtain a file system extraction on the LG cell phone using the Cellebrite 4 PC , but was unsuccessful in obtaining the logical extraction from the LG Cell phone. S/A Halseth made several attempts at completing the logical extraction, but every time was unsuccessful. S/A Halseth then utilized the Magnet Forensics Acquire software and was able to obtain an Acquire Quick Image of the LG cell phone. S/A Halseth found that the extractions that were collected did not contain any text/chat messages, phone logs, browser history, or any information about applications that were installed or in use on the LG cell phone. The extractions mainly contained image files, video files, and other types of media files.

On 9-15-2020, S/A Halseth conducted a data extraction on the Apple iPhone XR Model number A1984.

On 9-17-2020, S/A Halseth examined the data recovered from the Apple iPhone. S/A Halseth saw that there was activity on the phone right before the 911 call was made by AG Ravnsborg. S/A Halseth also identified that the iPhone was linked to the email address Jason.ravnsborg@state.sd.us which was being used as the Apple ID.

S/A. Halseth found that a 911 call was made from the Apple iPhone XR on September 12 \({ }^{\text {th }}, 2020\) at 10:24:22 and that the call lasted 142 seconds. S/A Halseth found that that there was Apple Safari History showing that on September \(12^{\text {th }}, 2020\) at 10:21:45 the following website was locally browsed from the Apple iPhone XR; https://justthenews.com/accountability/political-ethics/riding-dragon-documentary-exposes-massive-biden-self-enrichment. Prior to that website being browsed, the following websites were also locally browsed:
a. \(\quad\) https://mail.yahoo.com \(/ \mathrm{m} / 2 . \mathrm{src}=\mathrm{ym} \&\) reason \(=\) mobile

September \(12^{\text {th }}, 2020\) at 10:17:25 PM
b. \(\quad \mathrm{https}: / /\) mail.yahoo.com \(/ \mathrm{m} /\) folders \(/ 12 . \mathrm{src}=y \mathrm{~m} \&\) reason==mobile

September 12 \({ }^{\text {th }}, 2020\) at 10:17:26 PM
c.
https://mail.yahoo.com/m/folders/1/messages/AM5Sv3hOjkCmX11aoQkf8Btz7F0 September \(12^{\text {th }}, 2020\) at 10:18:21 PM
d. \(\quad\) https: \(/ / /\) mail. yahoo.com \(/ \mathrm{m} /\) folders \(/ 1\) ?. \(\mathrm{src}=\mathrm{ym} \& r e a s o n=\) mobile

September \(12^{\text {th }}, 2020\) at 10:20:42 PM
e. http://dakotafreepress.com/

September \(12^{\text {th }}, 2020\) at 10:20:49 PM
f. https://www.realclearpolitics.com/

September \(12^{\text {th }}, 2020\) at 10:21:13 PM

S/A Halseth located evidence in the data extraction that indicated that two Yahoo! Email accounts were associated with the Apple iPhone. Those email addresses were JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com.

This affidavit is submitted in support of an application for the issuance of a search warrant for Oath Holdings Inc. Attn: Custodian of Records 701 First Avenue Sunnyvale, California 94089, Yahoo Accounts: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com and any data found therein.

Your affiant states that, due to the nature of this investigation and the involvement of investigators from the state of ND, the information sought from this warrant will be transmitted to the state of North Dakota for analysis by SA Halseth. Your affiant asks the court to authorize the items disclosed be sent directly to SA Halseth, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

Your Affiant believes there is probable cause to believe that currently within the aforementioned Yahoo accounts, there exists, evidence, fruits, instrumentalities, of violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites-Prohibition) and 32-26-47.1 (Use of mobile electronic device--Prohibitions.)

Your affiant is submitting this affidavit in support of a warrant authorizing a search of Oath Holdings Inc. Attn: Custodian of Records 701 First Avẹnue Sunnyvale, California 94089, Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com and media found therein, for the items specified and listed above which items constitute instrumentalities, fruits, and evidence of the foregoing violation.

Your Affiant obtained a search warrant on October 2 \({ }^{\text {nd }}, 2020\). That warrant was served by Agents from the North Dakota Bureau of Criminal Investigation (ND BCI) to Oath Holdings Inc. on October 2, 2020. Agents from the ND BCI received the information back from Oath Holdings Inc. November 12, 2020. Agents from the ND BCI downloaded but have not reviewed the data provided Oath Holdings Inc.. Your Affiant is seeking a second warrant for the ND BCI to open the information provided by Oath Holdings Inc. to comyly with the requirements addressed by US \(8^{\text {th }}\) Circuit Court of Appeals decision of hhe United States of 7merica v. Meamen Jean Nyah.


STATE OF SOUTH DAKOTA) COUNTY OF HYDE )

STATE OF SOUTH DAKOTA )

vs.

\section*{Jason Ravnsborg and}

Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com
(View Information Received on November 12, 2020)

\section*{Defendant,}

TO ANY LAW ENFORCEMENT OFFICER IN THE COUNTY OF HYDE:
Proof of Affidavit has been made before me by Trooper John Berndt that there is probable cause to believe that the property described herein may be found at the location set forth herein and the property is:

\section*{(PLACE INITIALS IN APPROPRIATE BLANKS)}

BJR Property that constitutes evidence of the commission of a criminal offense;
Contraband, the fruits of crime, or things otherwise criminally possessed;
\(\qquad\) Property designed to intended for use in, or which is or has been used as the means of, committing a criminal offense.

\section*{YOU ARE THEREFORE, commanded to search:}

Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com

\section*{For the following property:}

Yahoo Accounts: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com and any data found therein, including the following:

The following records, documents, and items that constitute evidence, contraband, fruits of crime, other items illegally possessed, and property designed for use, intended for use, or used in violation of South Dakota Codified Laws 32-26-47.2 (Social networking sites-Prohibition) and 32-26-47.1 (Use of mobile electronic device--Prohibitions.), relating to materials involving the accessing, reading, posting or use of any mobile electronic device while operating a motor vehicle, in any form wherever it may be stored or found including:

Subscriber information to include
1. The name provided by the user
2. The email address provided by the user
3. The time and date of account registration
4. The type of account and payment information
5. The IP addresses recorded for account logins and uploads
6. The last-seen IP address of computers linked to an account
7. Mobile device information

Yahoo! Mail to include
1. Any email available in the user's mail account,
2. Including IP address or MAC address of computer used to send email
3. Any available times that emails where viewed, sent or received

All records or other information regarding the identification of the account, to include full name, physical address, telephone numbers, and other identifiers, records of session times and durations, the date on which the account was created, the length of service, the types of service utilized, the IP address used to register the account, log-in IP addresses associated with session times and dates, account status, alternative email addresses provided during registration, methods of connecting, and log files.

All records or other information stored by an individual using the account, including address books, contact and buddy lists, calendar data, internet history, pictures, and files from September 12, 2020 and September 13, 2020.

Information from the original warrant to Oath Holdings Inc, dated October 2, 2020 was served on October 2, 2020. Information was received from Oath Holdings Inc by the ND BCI on November 12, 2020. This warrant authorizes the information received on November 12, 2020 to be opened and viewed.

This warrant meets the requirements addressed by US \(8^{\text {th }}\) Circuit Court of Appeals decision of the United States of America v. Meamen Jean Nyah.

\section*{Method of Service}

Items disclosed pursuant to this search warrant can be served by sending, on any digital media device, to Special Agent Cassidy Halseth at 3416 N Broadway, Minot, ND 58703 or at email chalseth@nd.gov.

It is further ORDERED, that this Search Warrant shall be executed within ten (10) days after the signing of this Warrant pursuant to SDCL 23A-35-4.
This Warrant may be executed in accordance with my initials placed below:

\section*{(YOU MUST INITIAL AT LEAST ONE BLANK)}
\(\qquad\) You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4. BJR You may serve this Warrant only during the daytime. Night is that period from 8:00 p.m. to 8:00 a.m. local time.
\(\qquad\) You may execute this Warrant without notice of execution required by SDCL 23A-35-9 in that probable cause exists to demonstrate to me that if notice were given prior to execution (that the property sought may be easily and quickly destroyed or disposed off, (that danger of life or limb or the officer or another, may result).
\(\qquad\) You may serve this Warrant on Sunday.

If the above-described property be seized, it should be returned to me at the Courthouse of this Court.

Dated this
18th day of \(\qquad\) November 2020, a \(\qquad\) South Dakota.

(Magistrate) (Circuit Judge)
\begin{tabular}{lc} 
& IN CIRCUIT COURT \\
STATE OF SOUTH DAKOTA) & MAGISTRATE DIVISION \\
COUNTY OF HYDE & M
\end{tabular}

STATE OF SOUTH DAKOTA)
PLAINTIFF, )

VERIFIED INVENTORY
VS, )
Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com

\section*{DEFENDANT)}

\section*{Warrant dated November 18, 2020}
(In the matter of a FATAL CRASH in Hyde County)

I, Trooper John Berndt, a law enforcement officer of the State of South Dakota, applied for a Search Warrant dated October 2 \({ }^{\text {nd }}, 2020\), issued by the Honorable Bobbi Rank and do swear that the following inventory contains a true and detailed account of all property taken during the execution of the above described Warrant:

Your affiant states • On October \(2^{\text {nd }}, 2020\) S/A Halseth served the search warrant on Oath Holdings Inc. Attn: Custodian of Records that had been granted on October \(2^{\text {nd, }}, 2020\) for the contents of Attorney General Jason Ravnsborg's Yahoo Accounts:JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com. On November \(12^{\text {th }}, 2020\) S/A Cassidy Halseth received from Oath Holdings Inc.; Custodian of Records, an email containing one zip file containing the information requested from the search warrant that was applied for and signed on October \(2^{\text {nd }}, 2020\).

On November 18 \({ }^{\text {th }}\), 2020 a second search warrant was applied for and granted to allow the viewing of the Yahoo Accounts:JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com. . On November \(18^{\text {th }}, 2020\) S/A Halseth was able to review all contents received, and was able to save and preserve all contents received.

S/A Halseth will save and maintain the contents that were received and all contents will be made available for review upon request. Please accept
this letter along with the original copy of the signed search warrant to complete the search warrant return requirement.
 2020.


STATE OF SOUTH DAKOTA Plaintiff,

AFFIDAVIT IN SUPPORT OF SEALING SEARCH WARRANT AFFIDAVIT

Vs.
Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue Sunnyvale, California 94089,
Yahoo Account: JRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com
Defendant,
(In the matter of a Fatal Crash in Hyde County)
Search Warrant issued November 18, 2020

I, Trooper John Berndt, being duly sworn depose and state that I am currently involved in an ongoing investigation. Your affiant states that this investigation involves information of a graphic and sensitive nature, and that because of the parties involved, there is significant attention and scrutiny. Your affiant states that; should the information contained in the affidavit be made public, it would jeopardize on ongoing investigation. For this reason, your affiant askes the court to seal the affidavit in support of a request for a search warrant in accordance with SDCL 23A-35-4.1.

Pursuant to SDCL 23A-35-4.1, this affidavit is specifically filed to support and request the Court seal the affidavit from public inspection or disclosure. Sealing the contents of the affidavit(s) in support of search warrant is necessary to prohibit public inspection or disclosure based upon the following:
a. The investigation is open and active, and interviews and critical investigative activities are currently being conducted by both the South Dakota Highway Patrol and the North Dakota Bureau of Criminal Investigation;
b. The North Dakota Bureau of Criminal Investigation is involved in this investigation based upon driver Jason Ravnsborg's position as South Dakota Attorney General;
c. Heightened awareness of the investigation and interests of the public and the media directly relate to the well-known driver;
d. Public inspection and disclosure may adversely impact the efforts of the investigation and the information currently being obtained during the course of this investigation.


My commission expires:
My Commission Expires 06-07-2025

STATE OF SOUTH DAKOTA
Plaintiff,
vs.
ORDER TO SEAL PURSUANT
TO SDCL 23A-35-4.1

Jason Ravnsborg and
Oath Holdings Inc.
Attn: Custodian of Records
701 First Avenue, Sunnyvale, California 94089,
Yahoo Account: IRAVNSBO@yahoo.com and jasonforsouthdakota@yahoo.com
Defendant
(In the matter of Fatal Crash Investigation)
Search Warrant issued November 18, 2020
Upon request of Affiant contained in the Affidavit in Support of Sealing Search Warrant Affidavit, and pursuant to the authority of SDCL 23A-35-4.1, and finding reasonable cause therefore, it is hereby:

ORDERED that the contents of the Affidavit in Support of Request for Search Warrant dated November 18, 2020, are and shall remain SEALED from public inspection and disclosure until the investigation is terminated or an indictment or information is filed; it is further

ORDERED that this Order does not prohibit disclosure that a supporting affidavit was filed, the contents of the warrant, the return of the warrant, nor the inventory; it is further

ORDERED that this Order does not affect the right of any defendant to discover the contents of the Affidavit in Support of Request for Search Warrant under chapter 23A-13.

Dated this \(25^{\text {th }}\) day of November, 2020.


Honorable Bobbi J. Rank
Circuit Court Judge

During the fatal investigation that occurred on September 12, 2020, a broken plastic fork with a reddishbrown substance was located along the north ditch. The reddish-brown substance on the plastic fork was later tested and found to be presumptively positive for human blood. Attempts to determine if the blood belonged to Mr. Boever were inconclusive. Hyde County State's Attorney Emily Sovel requested further testing and analysis of the blood. On January 5, 2021 I was contacted by SA Sovel. SA Sovel informed me the blood had been tested again but the attempts to determine if it belonged to Mr. Boever were still inconclusive.

During the investigation, Sgt Kevin Kinney created trend lines based on evidence found at the crash scene. Evidence was separated into three categories and used to create the trend lines - paint chips, vehicle pieces and blood along with body parts. A fourth trend line was created using all the evidence. The trend lines and descriptions are listed in the original reports provided by Sgt Kinney and me.

Based on the inconclusive DNA result of the blood found on the fork and the fact the fork was used in the original blood trend line, SA Sovel requested the trend lines to be recalculated. During the mapping process on September \(13^{\text {th }}\) reddish-brown spatter was observed near the fork, this spatter was mapped and included in the original blood and all points trend lines. The vehicle pieces and paint chips remained the same as there was no consideration to the fork or blood when they were originally calculated. Sgt Kinney recalculated the blood and all points trend line, without considering the blood-stained fork or surrounding spots suspected to be blood.

From the forensic map I determined the broken plastic fork was identified by points 107-109 and the blood spatter was identified by points 137-141. These points were not considered in the new calculations. Sgt Kinney calculated the new trend lines and provided me with the following information:

Blood (Reddish-Brown Substance) [Equation: \(y=-0.1349 x-20.769\) ]
- Point 1 (-90, -8.628)
- Point \(2(-170,2.164)\)
- Angle should be 172.31

Figure 1: Blood Trend Line - calculated by Sgt Kinney
- The new trend line for the blood (disregarding the fork and blood spatter near it) created an angle of \(172.31^{\circ}\). The original trend line created by the blood evidence (considering the fork and blood spatter near it) was \(180.63^{\circ}\), a difference of only \(8.32^{\circ}\).
- I placed the new blood trend line in the forensic map. I determined the new blood trend line was 7.76 feet south of the north ditch, the original blood trend line was 2.56 feet south of the north ditch. The new blood trend line places the area of impact 5.2 feet further from the north ditch.

\section*{All Points [Equation: \(\mathrm{y}=0.0147 \mathrm{x}-1.8581\) ]}
- Point \(1(0,-1.8581)\)
- Point \(2(-170,-4.3571)\)
- Angle should be 180.84

Figure 2: All Points Trend Line - calculated by Sgt Kinney
- The new trend line for the all points (disregarding the fork and blood spatter near it) created an angle of \(180.84^{\circ}\). The original trend line created by the all points (considering the fork and blood spatter near it) created an angle of \(180.7^{\circ}\), a difference of only \(0.14^{\circ}\).
- I placed the new all points trend line in the forensic map. I determined the new all points trend line was 0.801 feet south of the north ditch, the original all points trend line was 1.03 feet south of the north ditch. The new trend line places the area of impact closer to the north ditch than the original all points trend line.

The new trend lines compare similar to the old trend lines. The only considerable difference is found by ignoring the vehicle pieces, paint chips, fork with blood spatter and the blood spatter surrounding the fork, when using the blood trend line alone. When all the evidence (except the final blood and body) is ignored, the blood trend line places the crash near the rumble strips on the north shoulder, still outside the westbound lane of traffic.

The fact human blood was found in the immediate vicinity of a fatal car versus pedestrian crash makes it highly unlikely the blood belongs to anyone other than Mr. Boever.

\section*{Trooper John Berndt}

South Dakota Highway Patrol
\begin{tabular}{|c|c|}
\hline Primary Information &  \\
\hline Description: & JASON RAVNSBORG Digital Media Search Warrants and Follow-Up \\
\hline Occurrence From: & 01/15/2021 00:00 \\
\hline Occurrence To: & 01/15/2021 00:00 \\
\hline Reporting LEO: & HALSETH, CASSIDY (CYBER CRIMES - MINOT / NORTH DAKOTA BUREAU OF CRIMINAL INVESTIGATION) \\
\hline Report Status: & Approved \\
\hline Report Status Date: & 01/22/2021 \\
\hline Approved By: & RUMMEL, ARNIE (NORTH DAKOTA BUREAU OF CRIMINAL INVESTIGATION) - \\
\hline
\end{tabular}

\section*{Synopsis}

The following report documents the application and return of search warrants to Apple, Google, Verizon, AT\&T, and Yahoo for accounts belonging to JASON RAVNSBORG. This report also provides information that was researched by Special Agent (S/A) Cassidy Halseth regarding the SQLite data bases that were located on JASON RAVNSBORG's Apple iPhone XR that were not parsed or processed by the Magnet Forensics Axiom and Cellebrite Physical Analyzer software, and the data that was located by S/A Halseth through this research.

Distribution:
Joe Arenz, NDBCI, Bismarck, ND
Shane Snyder, South Dakota Highway Patrol, Huron, SD
Emily Sovell. Hyde County State's Attorney's Office, Highmore, SD

\section*{Address \#1 - ACTIVITY LOCATION \#1- NDBCI}

\section*{Primary Information}

Address: NDBCI, MINOT, NORTH DAKOTA UNITED STATES

\section*{Subject \#1 - SUSPEC TA1 - RAVNSBORG, JASON RICHARD}

\section*{Primary Information}

Subject Name: RAVNSBORG, JASON RICHARD
Record Type: PERSON
Bio: 44 yr. old, WHITE, MALE
Birth Date:
Juvenile:
NO

\section*{Personal Information}

Ethnicity: NOT HISPANIC OR LATINO
Height: \(\mathbf{6 0 2}\)
Weight: 225
Eye Color: BLUE
Hair Color: GREY

\section*{Addresses}

Relationship
HOME ADDRESS


\section*{Supplement Report BCI20-00536/57}

Report Date: 01/20/2021

Subject \#1 -SUSPECT \#1 RAVNSBORG, JASON RICHARO Continued
Telephones/E-Addresses
Relationship
Number/E-Address
CELLULAR PHONE BUSINESS WORK PH\#


\title{
Report Title: JASON RAVNSBORG Digital Media Search Warrants and Follow Up
}

\section*{Details:}
(ALL TIMES ARE APPROXIMATE)
1. On October 2, 2020, Special Agent (S/A) Cassidy Halseth was provided by South Dakota State Trooper John Berndt signed search warrants for the following accounts associated with the cell phones of JASON RAVNSBORG:
A. Apple Account, Jason.ravnsborg@state.sd.us
B. AT\&T Account,
C. Google Account,
D. Verizon Account,
E. Yahoo Account,
2. Once these signed search warrants were received, S/A Halseth served them on all the entities listed following each entities method of warrant service.
3. On October 4, 2020, S/A Cassidy Halseth received from AT\&T an email containing nine separate files containing the information requested from the search warrant for the AT\&T account that was applied for and signed on October 1, 2020. There was no data of interest located in the data returned from AT\&T for during the time prior to and after the accident involving JASON RAVNSBORG. S/A Halseth will save and maintain the contents that were received, and all contents would be made available for review upon request.
4. On October 28, 2020, S/A Halseth received from Apple an email with a link to access the data that was requested. S/A Halseth reached out to Trooper Berndt and made Trooper Berndt aware that Apple returned the data requested. S/A Halseth asked Trooper Berndt to apply for a new search warrant allowing for the opening and examination of the contents from Apple, as so much time had passed since the original warrant had been served. Trooper Berndt applied for and was granted a search warrant that allowed for the viewing of the Apple account contents of the Apple account, Jason.ravnsborg@state.sd.us.
5. S/A Halseth accessed the link and was able to successfully download a zip file containing the data from Apple for the Apple account, Jason.ravnsborg@state.sd.us. S/A Halseth then utilized the Magnet Forensics Axiom software to process the zip file. S/A Halseth did not locate any data of interest prior to or after the accident. S/A Halseth will save and maintain the contents that were received, and all contents would be made available for review upon request.
6. On November 17, 2020, S/A Halseth was made aware that the Google search warrant request, the Yahoo search warrant request, and the Verizon search warrant requests that had all been made on October 2, 2020, were available for review by emails from each entity. S/A Halseth reached out again to Trooper Berndt and requested that search warrants be applied for once again so the contents of the warrant returns could be opened and reviewed. On November 18, 2020, Trooper Berndt made S/A Halseth aware the search warrants to open and review the data from the search warrant returns from Google_account. Yahoo account(s)
and
and Verizon Account had been signed so that S/A Halseth could open all returns.
7. SiA Halseth received zip files from both Googie and Yahoo containing the data that had been requested. S/A Halseth again utilized the Magnet Forensics Axiom software to process the zip files that were provided. S/A Halseth did not locate any files of interest from either the Google data or the Yahoo data that was received prior to or after the accident. S/A Halseth will save and maintain the contents that were received, and all contents would be made available for review upon request.
8. When S/A Halseth attempted to review the data from Verizon, the only information provided by Verizon was a file that stated that the phone number was not a Verizon phone number, but that it was an AT\&T phone number. S/A Halseth called and verified this with Verizon Legal, and again S/A Halseth was told that the phone number was an AT\&T phone number. With this information, S/A Halseth reached out to Trooper Berndt and informed Trooper Berndt of this and requested that a search warrant be issued to AT\&T for the account
9. On December 2.2020. Trooper Berndt applied for and was granted a search warrant for AT\&T account S/A Halseth was informed of the signed warrant and was provided a copy, which S/A Halseth served on AT\&T using AT\&T's preferred delivery method.
10. On December 2, 2020, S/A Halseth was sent an email from AT\&T with a link for the data that was requested. S/A Halseth downloaded the link that was provided and received a zip file containing the data that was requested. S/A Halseth did not locate any files of interest either prior to the accident or following the accident. S/A Halseth will save and maintain the contents that were received, and all contents would be made available for review upon request.
11. S/A Halseth conducted some research with Cellebrite to find out if there was any SQLite databases located on either the Apple iPhone XR or the LG cell phone that were not parsed by Cellebrite Physical Analyzer that would show GPS locations and possible speed that the phones might be traveling at any given time. S/A Halseth was told that there were some SQLite databases possibly located on the Apple iPhone XR, but that the only way the databases could be found was if there was a full file system extraction obtained from the Apple iPhone XR. S/A Halseth was able to locate an open source program called iLeap that allows the parsing of most if not all SQLite databases located on Apple iPhones. S/A Halseth used this iLeap open source program to parse the full file system extraction that was obtained by the GreyKey software on the Apple iPhone XR phone back in September of 2020.
12. Once iLeap processed the GreyKey full system extraction from the Apple iPhone XR, S/A Halseth started to manually go through all the data that parsed. S/A Halseth was able to locate a SQLite database located at the following path on the Apple iPhone XR: temp/private/var/mobile/library/caches/com.apple.routined/cache.sqlite. S/A Halseth found that this SQLite database was recording GPS locations and speeds of the Apple iPhone XR cell phone approximately every second.
13. Due to the limitations of the iLeap open source program, there was no way for S/A Halseth to easily report out some of the findings that S/A Halseth located. Due to this, S/A Halseth focused on the time just prior to the 911 call being made on the Apple iPhone XR cell phone and then just after the 911 call was made. S/A Halseth was able to do screen snips of the data that was located, and the following are those screen snips:

Locations report
Granular location data (~ 1 week)

Total number of entries: 39657
Locations located at: R:ISS AG\iLEAPP_Reports_2027-01-15_Friday_134542\temp\privatelvar\mobile\LibraryCaches\com.apple.routined
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline Show 100 * & & & & & & & & Search: 2020-09 & \\
\hline Timestamp * & Coordinates \({ }^{\text {\% }}\) & Alltude & Course & Speed (M/s) * & Speed (MPH) & Speed (KMPH) & \begin{tabular}{l}
Horizontal \\
Accuracy
\end{tabular} & Vertical Accurscy & Latitude \\
\hline \[
\begin{aligned}
& 2020-09 \cdot 13 \\
& 03.23: 05
\end{aligned}
\] & \begin{tabular}{l}
445276181634746, \\
-99.4392941159467
\end{tabular} & 566.19247117594546 & 269.29287356922156 & 22.832932090565114 & 51.07599911086649 & 82, 19855552603082 & 2.871520254110008 & 3.46 ¢3008812472228 & 44.527618163 \\
\hline \[
\begin{aligned}
& 2020 \cdot 09 \cdot+3 \\
& 09: 23 . \mathrm{Co}
\end{aligned}
\] & 4 4.52761183a13ć4 - 99.4995779556446 & 566.5194879932557 & 269.25684287769093 & 22.18459391550967 & 50.3724638022058 & 31.csesascos \(583+3\) & 4.875486429371091 & 3.4589541311725425 & 44.527611898 \\
\hline \[
\begin{aligned}
& 2020 \cdot 09-18 \\
& 03: 23: 07
\end{aligned}
\] & 44.5276052678972 29.4398031057398 & \$66.6100561758503 & 269.0518904838373 & 22.549311284336518 & 50.421488334393734 & 81.17752062381147 & 4.681834998179643. & 3.450355230034705 & 44.527605267. \\
\hline \[
\begin{aligned}
& 2020-08-13 \\
& 03: 2308
\end{aligned}
\] & 44. 5274029789034. -99.440143884475 & 566.775983178364 & 209.32189725354056 & 2225152;947273760 & 4979763863104053 & 80.14747865013556 & 468860882013385 & 3.42196:7893171477 & 44.527602376 \\
\hline \[
\begin{aligned}
& 2020 \cdot 09 \cdot 19 \\
& 03: 23: 09
\end{aligned}
\] & 44.5275987552417 . *9.440419099i366 & 566.878164101392 & 269.51096838030026 & 21,893 394291283066 & 49,97429976932621 & 78.8165632326te83 & 4.676974010760613 & 3456941372405308 & 44:527598755: \\
\hline \[
\begin{aligned}
& 2020 \cdot 09-13 \\
& 63: 25: 10
\end{aligned}
\] & \begin{tabular}{l}
44.5275971216476. \\
\(-99.4406909295633\)
\end{tabular} & 567.0625074254439 & 269,580059582338a & 21.80696:030.3144 & 43.730885303550490 & 73.50500278913184 & 4.076284753547169 & 3.457874771667065 & 44.527597129. \\
\hline \[
\begin{aligned}
& 2020-08-13 \\
& 03: 29: 17
\end{aligned}
\] & 44.527596494695s. \(-99.4407643087338\) & 566.9037292784325 & 269.5012996828047 & 21.7903132016308 & 48.744741083233834 & 7e.446927525a3488 & 4.077354945160119 & 3.4564270207425016 & 44.527596494 \\
\hline \[
\begin{aligned}
& 2020-09-13 \\
& 03: 23: 12
\end{aligned}
\] & 44.5275938415213,
-99.4412343727250 & 587.1357280293703 & 269.23286554298767 & 21.675301650553 .419 & 46.43634927419119 & 78.c31035941995as & 4880545452029921 & 3.4521053436575766 & 44.527593041 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline 2020－09－13 & 44.5275888855494. & 567，3855407154188 & 253.9912743945746 & 21.50337354097436 & 43.73574157374719 & 72．5119447475077 & \(4.63156 \div 14665371\) & 3.450723777360557 & 44.527588088554 \\
\hline 03：23：13 & －9．4415111409773 & & ．．． & & & & & & \\
\hline \[
\begin{aligned}
& 20: 00.09-13 \\
& 03: 23: 14
\end{aligned}
\] & \[
\begin{aligned}
& 42.5275352701048, \\
& -99.4417334828481
\end{aligned}
\] & 567．563103950927\％ & 268.9427225592757 & 21．5070：62a＜9\％985 & \(43.2: 122960845485\) & 77．749250\％ 2531806 & 4．69231766234350 & 3.4350367942537343 & － 24.52753527010 \\
\hline \[
\begin{aligned}
& 2020-08-13 \\
& 03: 23: 15
\end{aligned}
\] & \begin{tabular}{l}
44.5275810001716 ． \\
\(-99.4420549740545\)
\end{tabular} & \＄67．36511627at783 & 268.9709883349887 & \(27.8553 ¢ 67267062 \% 2\) & 49489756045839554 & 47.95932021846642 & 4.691716949974535 & － 3.430965907978522 & 44.52758160007 \\
\hline \[
\begin{aligned}
& 2020-09-13 \\
& 03: 23: 10
\end{aligned}
\] & \begin{tabular}{l}
4． 1.5275750619285. \\
． 994423201239674
\end{tabular} & 563．1749206592077 & 263.7718221206096 & \(2188977 \leq 065082028\) & 48.983 Saigco 24021 & 78.5391 83245905 & 4.693097391930998 & 3．433791711407936 & 44．52757598192： \\
\hline \[
\begin{aligned}
& \text { 2020.00-13 } \\
& 03: 23: 17
\end{aligned}
\] & \begin{tabular}{l}
44．52757250005＊1． \\
－99．442008932979
\end{tabular} & 569．0515554733574 & 260．92394458674695 & 22.37992638968192 & 49，33334823492012 & 80．20771520273255 & 4803959575789104. & \(3.43382239560577 c ̧ 8\) & 4.52757250005 \\
\hline \[
\begin{aligned}
& 2020 \cdot 00 \cdot 13 \\
& 03: 23: 18
\end{aligned}
\] & \begin{tabular}{l}
445275679717567. \\
\(-994428378732404\)
\end{tabular} & 508.7477242676541 & 263．9717372524956 & 22.00945229286058 .4 & 50．575933653379554 & 1 81．39302397423811 & 4691721373051927 & 3． 336902389214.3455 & 544527567971751 \\
\hline \[
\begin{aligned}
& 2020 \cdot 09 \cdot 13 \\
& 00: 23: 19
\end{aligned}
\] & 44．5275639819914． \＄9．443174797E6E & 563．8555109452456 & 269．60 995993978736 & 23.67141059978724 & 51.27514482704333 & 82.34107315916207 & 4.093055090336516 & 3.435073835355693 & 4.542750303199 \\
\hline \[
\begin{aligned}
& 2020.00 \cdot 13 \\
& 03: 23: 20
\end{aligned}
\] & \begin{tabular}{l}
 \\
\(-9944340673835399\)
\end{tabular} & \＄63．76706528077573 & 267.90153555555753 &  & 52．29840：37089443 & 84．16597974598114 & 209085205140502 &  & － \(2.52755 \sim 64176\) \\
\hline \[
\begin{aligned}
& \text { 2020-09.19 } \\
& 03: 23: 21
\end{aligned}
\] & 44．5275471917998， －99．4487594798407 & 563.92993147344742 & 268.39449103569545 & 23．7291433¢827619 & 53.08067108456735 & 85.424917925578 & 4.677949899576825 & 3．4557572124152336 & 44．52754719178 \\
\hline \[
\begin{aligned}
& 2020-08 \cdot 13 \\
& 03: 29: 22
\end{aligned}
\] & +4.527525533074 .4
\(-99+4405920706 i 9\) & 569．02550109304986 & 269.2417971641013 & 24.120930375898371 & ．．．．500：30025．1053223． & ． 3705136513536935 & Acteaćan52709775． & ． 3.4701700349331354 & A 4275.1289707 \\
\hline \[
\begin{aligned}
& 2020 \cdot 09 \cdot 13 \\
& 03: 23: 23
\end{aligned}
\] & 44．52751085S6587． \(-99.4443049137376\) & 569.5906470268985 & 289.7976385881675 & 24．740963893309085 & \(55.34 \angle 054772818634\) & 89.06747001803672 & \(\underline{1.80479324 C 999335 ~}\) & 3.473381635660719 & 44.52754085585 \\
\hline \[
\begin{aligned}
& 2020 \cdot 09-13 \\
& 03: 23: 24
\end{aligned}
\] & \begin{tabular}{l}
41.5275387589222 \\

\end{tabular} & 569.7946467705934 & 269．4507594830733 & 25.258857619152345 & 56.48465210042365 & \(90.9030352689404{ }^{4}\) & 4．667392143419049 & 3450795867949163 & 44．52759375892： \\
\hline \[
\begin{aligned}
& \text { 2020-09-13 } \\
& 03: 23: 25
\end{aligned}
\] & 4．5275383457947， －99．4450014728447 & 576．2200808086485 & \(269.56041707940545^{\circ}\) & 2578169389350338 & 57.67210231576405 & 9281449793061217 & 4．6601068055976445 & ． 3.4796467627061 .447 & 44．52753634579． \\
\hline \[
\begin{aligned}
& 2020-09 \cdot 13 \\
& \text { c3:23:26 }
\end{aligned}
\] & \[
\begin{aligned}
& 44.5275325608398, \\
& -9.4453269230411
\end{aligned}
\] & 570.198509893837 & 269.51400347704147 & 26.259545953122576 & 59．71：C2872437602 & 9453438543124127 & \＄658996049550491 & 3.4823380401677977 & 44．52753256083 \\
\hline \[
\begin{aligned}
& \text { 2020-09-13 } \\
& 03: 23: 27
\end{aligned}
\] & \begin{tabular}{l}
44.5275305937926. \\
\(-99.4456589766278\)
\end{tabular} & 570．39332537992340 & 269.84703736709134 & 26.793712205939322 & 59．20171013206352 & 96.24136398155796 & ＜ 657232264876606 & 3.48329317002977 & 44．52753059379： \\
\hline \[
\begin{aligned}
& 2020-09-13 \\
& 0323: 28
\end{aligned}
\] & \begin{tabular}{l}
44.5275293643629. \\
－99．44590759647aa
\end{tabular} & 570．3052634205069 & 289．6219248697133 & 27．22278847271281 & 60．8945991328702 & 99.00019530178617 & 1.656926416513796 & 3． 284703009192135 & 14．52752936436： \\
\hline \[
\begin{aligned}
& 2020 \cdot 80 \cdot 13 \\
& 03: 22: 28
\end{aligned}
\] & 44．52752036－3020． －98． 1.59975364788 & 570．3052634105609 & 269.8215256597183 & 27．22227exz27：28！ & 60394598：38470． & 93．0031953crisbli & 485838026513180 & 5．1947c3209！92135 & 4552752935436 \\
\hline \[
\begin{aligned}
& 2020009 \cdot 13 \\
& 03: 2: 29
\end{aligned}
\] & \begin{tabular}{l}
4． 5275263375544 \\

\end{tabular} & 570．252435209979 & 209.428702 .524457 & 27.697886601120795 & 01．9586992ncous & 99．71207976225056 & \(\therefore .65905075515530\) & \(3 \pm 310006270931035\) & 4．52752029755． \\
\hline \[
\begin{aligned}
& 20: 0 \cdot 69-13 \\
& 05: 2 \bigcirc 30
\end{aligned}
\] & \[
\begin{aligned}
& \therefore 527520723: 125 \\
& -994156975: 96841
\end{aligned}
\] & 570.5542792207127 & 209．22406059：87\％ & 5E．\(: 55-54240482\) &  & 16：．2100751265735 &  & 34735434734697555 & 4452752072214 \\
\hline \[
\begin{aligned}
& 2020-09 \cdot 13 \\
& 03: 23: 51
\end{aligned}
\] & \begin{tabular}{l}
4．5275i75513377． \\
．
\end{tabular} & 570．570975388075 & \(269.258339085 \pm 5174\) & 28.508020826052184 & 63.77075225909918 & 102．923907373797a & 50855379431724649 & 3．472574231167165 & 44．527597751：\({ }^{\text {\％}}\) \\
\hline \[
\begin{aligned}
& 2020.02 \cdot 13 \\
& 03: 3: 32
\end{aligned}
\] &  &  & \(2892545107976 \leqslant 15 \pm\) & 23.2511603217394 &  & \(165.900 \div 677194282\) & 40000：944023284 & 3.602375282208456 & 42．527515：126831 \\
\hline \[
\begin{aligned}
& 2020-69 \cdot 13 . \\
& 03.25: 33
\end{aligned}
\] & \begin{tabular}{l}
445275110325552, \\
－99．4477769571992
\end{tabular} & 570 994502338！422 & 200，22020043180794 & 29．355：62469446673 & 65.66575052314775 & 105．6755cosesornes & 4085973304780930 & \(3479775474482=25\) & A352753：03255 \\
\hline \[
\begin{aligned}
& 2020 \cdot 09 \cdot 13 \\
& 03.2 \mathrm{v} \cdot 34
\end{aligned}
\] &  &  & 260．010992：1－3：15 &  &  & \(10 \cdot 20352950073747\) & 469776550455 &  & 14527507232－66 \\
\hline \[
\begin{aligned}
& 20: 20 \cdot 09 \cdot 13 \\
& 03: 23: 35
\end{aligned}
\] & \begin{tabular}{l}
425275039252989. \\
－99．44852603575S3
\end{tabular} & 571．1631303913291 & 299．52037831590195 & 30.0949952405704 & 67 32669317953156 & 109．3419\％566675344040 &  & 3468177715399055 & － 52750392522 \\
\hline \[
\begin{aligned}
& 2023-0 p-13 \\
& 0323: 36
\end{aligned}
\] & \begin{tabular}{l}
14．5275013155：27 \\
－9 \(4.4 .13 \% 070316233\)
\end{tabular} &  & 369．235¢C71182365cc & 30．2an \(2576 \leq 5266823\) & 67．543：026603：544 &  &  & 3462596471－35206 & 4．5295013158\％： \\
\hline \[
\begin{aligned}
& 2020-09 \cdot 13 \\
& 03 \cdot 23: 37
\end{aligned}
\] & \begin{tabular}{l}
42527年81423行． \\
－90． 1492802891107
\end{tabular} & 571.1216381942332 & 269.7794835160633 & 29， 4097325043085 & 60．ce：30s27311553 & 186． 31752283005503 & 46s843751；7045 & 3.468451538569712 & 445274991.234 \\
\hline \[
\begin{aligned}
& 0020-29-12 \\
& 03.23 \cdot 33
\end{aligned}
\] &  &  & \(268.0832 \times 3259623 \times 3\) & 2999620：368909\％ &  &  &  & 32030726559602094 & S45 \\
\hline \[
\begin{aligned}
& 2020-05 \cdot 13 \\
& 03: 23: 30
\end{aligned}
\] & \[
\begin{aligned}
& 4427.4920732333 . \\
& 90.4499963052256
\end{aligned}
\] & 5－2．822ミ344775037 & 269．4504＊504447425 & 27：9205485417375．4 & 62．474693397：2833 & 160．54310681025595 &  & \(3474 \hat{2} 78 \pm 31202406\) & 4252748367323 \\
\hline  &  &  & 269792129003854 &  &  & 315061520957204 &  & \(2 \cdot 5353-646 \leq 1405-3\) & － \(527 \pm 3\) ¢ 31985 \\
\hline \[
\begin{aligned}
& 2020-09-13 \\
& 03: 23: 17
\end{aligned}
\] & 14．5274297752989， －90．4505529250912 & 572．52563e2243988 & 270.32174057450020 & 20.60198700707974 & 46.08538981557595 & 74：6775325：59\％08 &  &  & 44．52749777520： \\
\hline \[
\begin{aligned}
& 2020 \cdot 65-13 \\
& 03: 33.42
\end{aligned}
\] &  & 573．325 5331543326 & \(270.1523646 c \% 3231\) &  & 3569－365392：536 & 5－35280017292162 &  &  & 14．5274\％94395 \\
\hline 2020.6915 03：23：43 & \begin{tabular}{l}
245371763.47579 ． \\
\(\rightarrow 7408695255693\)
\end{tabular} & 574，2105964070313 & 27032470655292920 & 11．1165044it993633 &  & 40010－161169576\％ & －69356657212205á2 & \(3255064943: 27406\) & 24．52747634476 \\
\hline \[
\begin{aligned}
& 2025 \cdot 06 \cdot 13 \\
& 0: 23:+14
\end{aligned}
\] &  &  &  & － \(507553532: 45853\) &  & 2789592：7572308 &  &  & \(\therefore 52-5252976\) ． \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \[
2020 \cdot 0.6-13
\] & 44.527572526768. & 573.3a6c23050547? & 269.7\%77042203966 & -iorsssa32:45552 & 17.2055-3522656675 &  & \(40793749222: 6091\) &  & +152747252976: \\
\hline 2020-00-13 &  & 274.58603787283\% & 269.38583988979197 & 5.364130331232432 & :1,499257835307362 & 19,310901393436934 & Lescesegas 2101 co & 3.770945078 54.42514 & 1458706055312 \\
\hline 33:23:45 & -9.451016075977 & & & & & & & & \\
\hline \[
\begin{aligned}
& 20: 0-20 \cdot 13 \\
& 03.23 .46
\end{aligned}
\] &  & \(57 \times 2675537283112\) & \(270.3667396015741 \%\) & 1.8459047902099016 & 10.230749595.0¢\%t3 &  & 4.653x65504286158 & 3,483 \(256622775937 \%\) & \(12 \mathrm{En72723} \mathrm{\% 988}\) \\
\hline \[
\begin{aligned}
& 202000 \cdot 13 . \\
& 03 \div 3: 47
\end{aligned}
\] & \begin{tabular}{l}
4.3274749553283 \\
\(-99.4517286240272\)
\end{tabular} & 574.46099345徒5? & 271,25032895536556 & \(4.66362511853948 \pm\) & 10.232209575559355 & 10.78095033075000 & \(485812231023 \%\) \% 33 & \(3.3089 \leq 4524550436\) & 44,53747419532 \\
\hline \[
\begin{aligned}
& 2020-09-13 \\
& 03: 23: 29
\end{aligned}
\] & \begin{tabular}{l}
1. 5274821753812. \\
-984511752982734
\end{tabular} & 574.27:1754636330 & 47405726t & +3865720\%6e95\% &  &  &  & 3. \(28036657845452 \times 4\) & 24.5774821\%548 \\
\hline \[
\begin{aligned}
& 2030-88 \cdot 13 \\
& 03: 33: 49
\end{aligned}
\] & \begin{tabular}{l}
4.5274879 .450559 . \\
-99.45i2112131105
\end{tabular} & \(57.103825500790 \times 2\) & 27482022403420976 & 3.79\% 7 \% & 3.4954css745c93as & 13.6720095704282885 & 4955360671931837 & \%.48-6505C4 1830104 & 14.5274379+505 \\
\hline \[
\begin{aligned}
& 20: 0,00 \cdot 13 \\
& 09: 25: 50
\end{aligned}
\] & \begin{tabular}{l}
445274940197676. \\
-994513535160255
\end{tabular} &  &  & \(3.6867 \times 9051275948\) & 3.24702795473.473 & 13.2\%22e:cse260204 & 4.659317c7593546 & 3 4320423728550655 & 4.527-49201976 \\
\hline \[
2020 \cdot 04 \cdot 13
\] & 44.527490488865 , \(-99.4512989770879\) & 573.74050627112 & 276.517930365t20.6 & 3.64492693t935552e & 3. \(3654540675 \times 393\) & 13.2019529549036 &  & 3.472740724781005 &  \\
\hline \[
\begin{aligned}
& 20: 30-09-13 \\
& 03: 23: 52
\end{aligned}
\] & \begin{tabular}{l}
+2. \(3275053033=02\). \\

\end{tabular} & 573.561707c2-0943 & 275.17913321:2004 & 3. 533332742158049 & 20c4971a12305661 & 12721597a\%T96977 & 1.657 \(122+58006350\) & \(3.48357933722389 \%\) & 4.588750350933 \\
\hline \[
\begin{aligned}
& 2020-69 \cdot 13 . \\
& 03: 23: 53
\end{aligned}
\] & \begin{tabular}{l}
445.27 gerpon6a7. \\
\(99.413 \cos 976542\)
\end{tabular} & \(573.62934278 \pm 6054\) & 77060079592573586 & 1702720965403467 & 3.809954631a857517. & 4139765488258.389 & 4.65019982516253 & 3*755cc5o99280\% & \(44.52750782 \times 68\) \\
\hline \[
\begin{aligned}
& 2020-03-13 \\
& 03: 23: 54
\end{aligned}
\] & \begin{tabular}{l}
14 5174997650966, \\
49.45135 197859
\end{tabular} & 573.4888434\%89456 & 270.1014922896701 & 20 & O.C & 0.0 & 4.875307735297200 & 3.261775880797739 & 41323740976509 \\
\hline
\end{tabular}
13. The one thing of interest located by S/A Halseth was that at 03:23:38 Coordinated Universal Time (UTC) on September 13, 2020 (10:23:38 central time on September 12, 2020) just 44 seconds before the 911 call was made at 10:24:22 central time on September 12, 2020, the Apple iPhone was traveling 67.1008 miles per hour (MPH). One second later the speed dropped to 62.474 MPH and continued to decrease in speed until the Apple iPhone XR was traveling 0 MPH at 03:23:54 UTC on September 13, 2020 (10:23:54 Central time on September 12, 2020). This is indicated above by the red piping.
14. S/A Halseth will save and maintain all data that was processed by the iLeap open source software and will make it available to review upon request. Again, due to the limitation of the ileap open source software, it was not possible to report or export out any of the data that processed, except for making screen snips.

\section*{Description and Custody of Evidence:}
1. All warrant return data mentioned in this report were saved and maintained by S/A Cassidy Halseth at the North Dakota Bureau of Criminal Investigation (NDBCI) Minot, North Dakota, Cyber Crime Office.

\section*{Attachments:}
1. None as a result of this report.```


[^0]:    You may serve this Warrant at any time of day or night because reasonable cause has been shown to authorize a nighttime execution pursuant to SDCL 23A-35-4.

[^1]:    c. The contents of all instant messages associated with the account, including stored or preserved copies of instant messages (including iMessages, SMS messages, and MMS messages) sent to and from the account (including all draft and deleted messages), the source and destination account or phone number associated with each instant message, the date and time at which each instant message was sent, the size and length of each instant message, the actual IP addresses of the sender and the recipient of each instant message, and the media, if any, attached to each instant message;
    d. The contents of all files and other records stored on iCloud, including all iOS device backups, all Apple and third-party app data, all files and

