



San Francisco Fire Department

Unusual Occurrence

04/11/2022

From: [REDACTED]
 To: Chief of Department
 Reference: Rules and Regulations, Section 1128

1. On the morning of April 5, 2022, at 0406am, Box 5165, Incident number 22043125, while responding with lights and sirens heading east on 17th Street, Engine 12 encountered a stopped Recology truck in our lane.
2. The driver was out of the truck collecting trash.
3. Normally I would have gone around the stopped truck, but at the same time, a "self-driving" car from the company Cruise with no human in the driver's seat, drove up in the opposing lane heading west and STOPPED exactly next to the Recology truck.
4. Engine 12 was dead in the water until the Recology driver came running and moved the garbage truck, at which time we were able to continue on to the working fire.

Workflow	From		To
04/11/2022	[REDACTED]	Forwarded	E12
04/12/2022	Zaida, J	Acknowledged	B05
04/12/2022	[REDACTED]	Contents Noted	D2
04/12/2022	[REDACTED]	Contents Noted	CD2
04/12/2022	[REDACTED]	Info Only	Law, C
04/13/2022	[REDACTED]	Contents Noted	Cofflin, K
04/15/2022	[REDACTED]	Workflow End	
04/18/2022	[REDACTED]	Info Only	Law, C

[REDACTED] requested this report. Please ensure he receives a copy. Deputy, I believe this is somethin we need to investigate.

Importantly, this incident mentioned was E12 trying to respond to the Upper Terrace fire.

I have also long envisioned a scenario at a red light with two self-driving cars next to each other that would not go through a red in response to red lights and sirens behind them. Your copy. Also sent to CD2

please address this with MTA. These are becoming a nuisance City staff will work with Cruise and gather additional information.



San Francisco Fire Department

Unusual Occurrence

06/06/2022

From: ~~BA 1188 Baker, Matthew T~~ H 09 T07

To: Chief of Department

Reference: Rules and Regulations, Section 1128

1. On June 6, 2022 at 0410 hours, E09 was dispatched to a report of an outside fire at 101 S/B and Cesar Chavez under the freeway.
2. While enroute code 3, we encountered a potentially unsafe situation with a Cruise driverless car at the intersection of Precita Ave. and Bryant St.
3. While traveling South on Bryant, a driveless car proceeded through a stop sign in our direction and continued to move into the intersection towards the engine.
4. E09 driver continued with due regard and caution until the driverless vehicle came to a complete stop in the intersection, and we proceeded to the incident.
5. The location of the Cruise vehicle in the intersection created an unsafe environment in the event multiple units were to respond.
5. I notified B10 of the incident in the morning at Station 9.

Workflow	From		To	
06/06/2022	BA 1188 Baker, Matthew T	Forwarded	B10	
06/06/2022	BA 1188 Baker, Matthew T	Acknowledged	D3	Contents Noted
06/06/2022	BA 1188 Baker, Matthew T	Workflow End		Duplicate UO

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San Francisco Fire Department

Unusual Occurrence

06/13/2022

From: [REDACTED] E14
 To: Chief of Department
 Reference: Rules and Regulations, Section 1128

1. On June 12, 2022 at 23:50 hours Engine 14 was the supply engine at a working fire incident # 22075217.
2. E14 had charged large lines lying across the street supplying E31 down Funston Ave. from the Anza St. intersection.
3. An autonomous vehicle heading west on Anza approached the charged large lines and came to a complete stop before accelerating up to approximately 10-15 mph as it proceeded over hose leads and on to the Park Presidio street light.
4. The crew of E14 and an SFPD Officer controlling traffic observed this unoccupied self driving vehicle perform this hazardous driving behavior.
5. Battalion 7 Chief McGuire was notified of this observed occurrence.
6. No fire department property or personnel were harmed by this occurrence.

Workflow	From		To	
06/13/2022	[REDACTED]	Forwarded	B07	
06/13/2022	[REDACTED] D	Contents Noted	D2	Additional statements are available for this incident if required. Contents noted.
06/13/2022	[REDACTED]	Contents Noted	CD2	
06/13/2022	[REDACTED] R	Acknowledged	[REDACTED]	Another Cruise mishap. These things are going to hurt someone. Please forward to appropriate person.
06/13/2022	[REDACTED] R	Info Only	CD1	
06/21/2022	[REDACTED] X	Info Only	[REDACTED]	Please communicate the gravity of this situation to Cruise's Judy Lee when speaking with her next.
06/21/2022	[REDACTED]	Workflow End		

Cruise

Scene

Hose

SM



San Francisco Fire Department

Unusual Occurrence

01/24/2023

From: [REDACTED] 1128 DT
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. On 24 Jan 2023 at Laguna and Hayes streets (#23011518) my crew was extinguishing an outside fire on the sidewalk.
2. E36 was parked in the middle of the street with all of its' emergency lights on.
3. A "Cruise" driverless vehicle rapidly approached us and stopped between the Engine and my crew.
4. We were unable to move the car and it was stopped on top of our hoseline.
5. I was able to speak to the operator via the car intercom and they were able to move the car after an additional 5 minutes.
6. there was no damage to the hose reel or any injuries.

Workflow	From		To	
01/24/2023	[REDACTED]	Forwarded	E36	
01/24/2023	[REDACTED]	Contents Noted	[REDACTED]	
01/24/2023	[REDACTED]	Contents Noted	D3	Increasing incidents of autonomous vehicles either entering our scenes or hindering responses
01/25/2023	[REDACTED]	Contents Noted	CD2	
01/25/2023	[REDACTED]	Acknowledged	CD1	these things should not be allowed. too many problems
01/25/2023	[REDACTED]	Contents Noted	[REDACTED]	please forward to Ramon and have it addressed. Totally unacceptable and should be grounds to stop the program
01/25/2023	[REDACTED]	Acknowledged	[REDACTED]	
01/26/2023	[REDACTED]	Workflow End		
05/09/2023	[REDACTED]	Info Only	[REDACTED]	

Cruise

Scene

Hose

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San Francisco Fire Department

Unusual Occurrence

03/11/2023

From: [REDACTED] 1100 T03
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. On March 11 at approximately 22:05 Truck 3 was returning from a call going westbound on the 800 block of Geary Street, and encountered two autonomous Cruise vehicles blocking the road.
2. Geary is one way with two traffic lanes and cars parked on both sides. Several cars were double parked on the left side. This is becoming a more common problem in itself.
3. The autonomous vehicles were in the red painted bus lane on the right side, opposite the other double parked cars on the left. I believe one of the autonomous cars was very slowly moving or repositioning when we were approximately half a block back. Truck 3 was not using any code 3 lights or the siren. The space between the double parked cars on either side was not enough for Truck 3 to safely pass. I rang the officer's bell several times hoping for someone to move. I then gave a very short blast of the airhorn. At least one of the Cruise vehicles moved slightly (inches), but not in a deliberate fashion, and it did not clear the road. The Cruise vehicles were midblock with no other vehicles in front of them. They were not waiting for a red light. I climbed out of Truck 3 and approached the two vehicles. Neither car had a driver or passenger. The vehicle in the rear started to move before the vehicle in the front. It pulled out slowly toward me as if to go around the other Cruise vehicle and then stopped. Eventually both vehicles moved, but there was not a deliberate attempt to leave the road clear in the first place or a deliberate attempt to get out of the way when prompted by Truck 3's bell or horn. Both vehicles started with slow jerky movements as if they didn't know what to do.

Workflow	From		To	
03/11/2023	[REDACTED]	Forwarded	T03	
03/11/2023	[REDACTED]	Contents Noted	B04	
03/12/2023	[REDACTED]	Acknowledged	D2	Contents noted
03/12/2023	[REDACTED]	Contents Noted	CD2	
03/13/2023	[REDACTED]	Contents Noted	CD1	I'm sending this to [REDACTED] as well
03/13/2023	[REDACTED]	Acknowledged	[REDACTED]	This needs to be sent to the appropriate people
03/20/2023	[REDACTED]	Contents Noted	[REDACTED]	Please forward to City AV representative.
03/21/2023	[REDACTED]	Workflow End		

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San Francisco Fire Department

Unusual Occurrence

03/21/2023

From: [REDACTED]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. On 03/21/23 I was responding to incident #23038973 as B10. While responding to the incident I encountered a driverless Waymo vehicle license plate 53595F3 at 1128 hours. I was driving westbound on Palou Ave with lights and siren on when a driverless Waymo vehicle traveling eastbound on Palou Ave proceeded to make a left hand turn directly in my path onto Newhall St. and stopped directly in front of my vehicle. With lights and siren on continuously the car refused to move blocking my response path. After approximately 1 min the car moved and pulled over. At this time the incident had been canceled and I proceeded to the driverless vehicles drivers side window in order to notify the monitoring company that their car was malfunctioning. I knocked on the window numerous times and no one ever responded. I moved away from the vehicle and it immediately drove off to continue its route.

Workflow	From		To	
03/21/2023	[REDACTED]	Forwarded	D3	
03/21/2023	[REDACTED]	Contents Noted	CD2	Forwarding UO from Battalion 10 regarding driverless Waymo vehicle impeding the flow of traffic and emergency response of Battalion 10 on March 21, 2023.
03/22/2023	[REDACTED]	Acknowledged	[REDACTED]	second event that needs to be documented and addressed
03/22/2023	[REDACTED]R	Acknowledged	CD1	FYI, prevention notified for documentation and follow up
03/22/2023	[REDACTED]	Workflow End		

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San Francisco Fire Department

Unusual Occurrence

03/21/2023

From: [REDACTED]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. On 03/21/23 I responded to Incident #23039343 as B10. While responding code 3 with lights and siren on traveling south on Dolores St. in the left lane at approximately 1719 hours I encountered a driverless Waymo vehicle. The Waymo vehicle was directly in front of me traveling south on Dolores St. As I approached it with lights and siren it began to move over to the right lane enough for me to pass. As I was passing the vehicle appeared to turn sharply into my direction and accelerated towards my right rear quarter panel. Upon noticing this in my rearview mirror I accelerated to avoid being hit by the driverless vehicle. As I passed the vehicle continued to come all the way over into my lane and appeared to accelerate towards my rear bumper. I then further accelerated to get away from the vehicle as quickly as possible.

Workflow	From		To	
03/21/2023	[REDACTED]	Forwarded	D3	
03/21/2023	[REDACTED]	Contents Noted	CD2	Forwarding 2nd UO from Battalion 10 regarding driverless Waymo vehicle affecting the emergency response of Battalion 10 and almost making contact with the Battalion 10 buggy.
03/22/2023	[REDACTED]	Acknowledged	[REDACTED]	another driverless issue to document
03/22/2023	[REDACTED]	Acknowledged	CD1	BFP notified to document
03/22/2023	[REDACTED]	Workflow End		

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San Francisco Fire Department

Unusual Occurrence

03/24/2023

From: [REDACTED]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. On March 21st, 2023, (on Incident # FD23039379) at 706 Missouri, I was the officer of Engine 25 and encountered several Waymo cars that were driverless and posed a risk to fire personnel.
2. Engine 25 responded to a downed tree on a vehicle. Upon arrival, Engine 25 noted there were no wires down, a large tree was blocking Missouri street and there were no occupants/victims in the damaged vehicle.
3. After trimming tree limbs, putting up caution tape and clearing a lane on Missouri for traffic, Engine 25 noted a vehicle driving northbound on Missouri at a fast rate of speed. Engine 25 attempted to slow down the vehicle by shining their box light on the driver as there were fire service personnel working in the area.
4. The vehicle was a driverless Waymo vehicle and finally stopped last minute a few feet from Engine 25 (Engine 25 had it's Code 3 lights on). The officer of Engine 25 noted another vehicle coming the same direction at a fast rate of speed and tried to slow it down. It was also a driverless Waymo vehicle that slowed down last minute and swerved to it's left to avoid crashing into the 1st Waymo vehicle. This 2nd Waymo vehicle stopped a few feet from the officer of Engine 25.
5. Luckily we had just finished working on the tree and had the fire engine to create a barrier between us and the Waymo vehicles if needed. Had we been working on the downed tree in the dark and those two Waymo vehicles came down the hill (northbound on Missouri) at their fast rate of speed, I am unsure those driverless vehicles would have stopped in time to avoid hitting fire service personnel.
6. Thank you for your time and attention in this matter.

Aziz Syed
Lieutenant- Engine 25

Workflow	From		To
03/24/2023	[REDACTED]	Forwarded	E25
03/24/2023	[REDACTED]	Contents Noted	B10
03/24/2023	[REDACTED]	Contents Noted	D3

Waymo

Scene

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San Francisco Fire Department

Unusual Occurrence

03/24/2023

From: [REDACTED] **CHIEF OF DEPARTMENT**

To: Chief of Department

Reference: Rules and Regulations, Section 1128

1. On March 21, 2022, Engine 41 responded to multiple calls of trees, and wires down, due to the extreme weather.
2. Many of these calls were along Clay street from Polk to Jones, where multiple downed trees had brought down Muni "trolley" high voltage overhead wires.
3. Muni responded at Engine 41's request, and was able to de-energize the lines, mitigating the electrical hazard.
4. The lines still possessed a physical hazard as they lay on the ground in some locations, and then returned to the next pole in an arc.
5. Engine 41 cordoned off multiple intersections to keep traffic from driving up streets into the low hanging muni wires.
6. One of the streets closed off, with Caution tape and Caution sandwich boards, was the 1400 block of Clay street, between Hyde and Leavenworth.
7. At 21:56 incident # <23039567>, Engine 41 responded to the Intersection of Clay/Leavenworth for an "electrical hazard".
8. Upon arrival we discovered two Cruise driverless vehicles had driven up Clay street, through our caution tape at Hyde, continued on, hit the low hanging muni wire and entangling the wire on their roof elements. The two Cruise vehicles continued up Clay through our second set of caution tape at Leavenworth. As they continued up the street, rise in elevation increased the tension of the wire on the roof, and the two vehicles finally came to a stop in the intersection of Clay and Leavenworth.
9. Two Cruise employees arrived on scene. We had them take over manual control of the vehicles. We had to back the vehicles half a block back down Clay street to release the tension on the wire, to remove it from their roof elements.
10. This incident raises many serious concerns about the safety of these Cruise driverless vehicles. The need for these vehicles to recognize a road closed by caution tape, and caution sandwich boards is imperative. Secondly, the vehicle failed to recognize the large gauge Muni line hanging in its path. If this wire had still been "hot" this would have been much more hazardous. It is also of note that the vehicle did not recognize when it hit the heavy wire, or that it was being dragged on its roof top for half a block.
11. I have attached pictures. Note the caution tape and sandwich board wrapped around the vehicle. The Muni wire can also be seen on the roof.

Workflow	From		To	
03/24/2023	[REDACTED], T	Forwarded	E41	
03/24/2023	[REDACTED], T	Contents Noted	B01	
03/25/2023	[REDACTED], D	Contents Noted	D2	Contents Noted
03/25/2023	[REDACTED], R	Contents Noted	CD2	

Cruise

scene

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San Francisco Fire Department

Unusual Occurrence

03/30/2023

From: [REDACTED] 11140 - POC
 To: Chief of Department
 Reference: Rules and Regulations, Section 1128

1. 3/29/23 Incident #23043573 3909 Mission: Self driving vehicle "CRUISE" stopped approximately 8' behind E32. Couple minutes later it moved about 5'. I knocked on the window and attempted to make contact. Took several minutes for the window to roll down, and I was able to speak to Customer Care. After the incident, the vehicle moved but stopped in the intersection, proceeded to make a right turn but into the oncoming lane. It corrected itself and got into the correct lane and drove off.

Workflow	From		To	
03/30/2023	[REDACTED]	Draft	[REDACTED]	Form created as draft. Select Apply Changes to begin workflow.



San Francisco Fire Department

Unusual Occurrence

04/14/2023

From: ~~AYERS, S~~
 To: Chief of Department
 Reference: Rules and Regulations, Section 1128

1. On April 14, 2023 while conducting a hoseline drill in front of Fire Station 14, a self-driving car traveled past a hoseline in operation. The car pulled to the right and stopped while it attempted contact with it's monitoring company.
2. Batt. 07, who was observing the drill spoke via car phone with the company and reported the occurrence to them and that there was no damage to the car.
3. Prior to the drill, traffic cones were placed to create a safe working area with several members monitoring traffic in front of Fire Station 14.

Workflow	From		To	
04/14/2023	AYERS, S	Forwarded	T14	
04/14/2023	AYERS, S	Info Only	B07	
04/14/2023	AYERS, S	Info Only	B07	
04/14/2023	AYERS, S	Contents Noted	B07	Contents noted.
04/14/2023	AYERS, S	Returned	E14	returned
04/14/2023	AYERS, S	Workflow End		

update 11



San Francisco Fire Department

Unusual Occurrence

04/14/2023

From: [REDACTED]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. On April 14, 2023, E14, E31, T14 and B07 were conducting a hose line drill in front of Fire Station 14. While operating a hose stream, a self-driving car drove through the stream of water and pulled to the right side of the road and activated it's hazard lights.
2. The firefighters at the drill had placed traffic cones in the street to create a safe working area and had assigned safety people to monitor road conditions. Prior to the car driving through the stream of water, the car approached the cones, stopped and then proceeded to drive into the work area.
3. Batt. 07, Chief Styles approached the car and made verbal contact with the technology attendant and informed them of the situation and that there was no damage to the car.
4. The attendant was instructed to roll up the windows and proceed away from the drill site.
5. The car company is named Cruise.

Workflow	From		To	
04/14/2023	[REDACTED]	Forwarded	T14	
04/14/2023	[REDACTED]	Contents Noted	B07	Contents noted.
04/14/2023	Styles, R	Contents Noted	D2	Additional information- After talking to the attendant, the vehicle drove off after a few minutes.
04/14/2023	[REDACTED]	Contents Noted	CD2	
04/17/2023	[REDACTED]	Acknowledged	Cofflin, K	another driverless incident for Cpt Flores
04/18/2023	[REDACTED]	Acknowledged	Flores, R	Please forward incident to Julia Friedlander and "end workflow".
04/24/2023	[REDACTED]	Workflow End		

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San Francisco Fire Department

Unusual Occurrence

04/17/2023

From: [REDACTED] E05
 To: Chief of Department
 Reference: Rules and Regulations, Section 1128

1. On Sunday 4/16/2023 at approximately 23:53 Engine 5 was responding to a full Box at 2488 Geary Blvd.
2. Engine 5 was the supply engine and drove around the block to back down from the Lyon street side.
3. As we were approaching Geary Blvd from Lyon St we were blocked by a Cruise self driving vehicle.
4. The self driving vehicle would not move and this created an obstacle for water supply.
6. Luckily this was a false alarm and the members on scene were able to improvise.
7. Vehicle information: Cruise vehicle is license #751145P3.

Workflow	From		To	
04/17/2023	[REDACTED]	Forwarded	E05	
04/17/2023	[REDACTED], J	Contents Noted	B05	
04/17/2023	[REDACTED], T	Contents Noted	D2	Contents noted
04/18/2023	[REDACTED], M	Returned	E05	Take out #7
04/18/2023	[REDACTED], J	Contents Noted	B05	
04/19/2023	[REDACTED], J	Contents Noted	D2	Forwarding up Chain with requested edit.
04/19/2023	[REDACTED]	Contents Noted	CD2	Resubmitted after edited as per D2 Storti request.
04/20/2023	[REDACTED]	Acknowledged	[REDACTED]	this is becoming a daily problem. These things must be taken off the road
04/20/2023	[REDACTED]	Acknowledged	CD1	This is becoming a daily issue. We should consider a formal letter to the state requesting an end to the program
04/24/2023	[REDACTED]	Workflow End		

Cruise

Scene

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San Francisco Fire Department General Form

04/18/2023

From: [REDACTED]
 To: Assistant Deputy Chief - Fire Prevention and Investigation
 Subject: Autonomous Vehicle Incident
 Reference: E mail

1. On 4/18/23 incident #23052651 we were operating at a working fire at 1597 Howard st.
2. E36 was on the 12th st side with a supply led from them to E29 supplying on the NW corner.
3. A "Cruise" autonomous vehicle drove N on 12th and stopped in our scene approximately ten feet from tailboard of E36 and twenty feet from intersection while still an active operation. All FD apparatus had C3 lights on.
4. We attempted to disable the vehicle
5. Car sat for approximately ten minutes and then drove off on its own accord prior to our ability to take photos or get plate number.

Workflow	From	To	
04/18/2023	[REDACTED]	Forwarded	D3 xxxx
04/18/2023	[REDACTED],B	Contents Noted	CD2 contents noted
04/18/2023	[REDACTED],R	Contents Noted	CD1 This is becoming a problem at every incident. Drivers can't be expected to put out cones or flares at every working incident to educate the autonomous vehicles. I'll forward to Cofflin
04/19/2023	[REDACTED]	Workflow End	

Cruise scene

14



San Francisco Fire Department

Unusual Occurrence

04/20/2023

From: [REDACTED]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. At incident #23053861 at approx. 1530 hours on 04/20/23 at a working fire along the corner of Sacramento and Presidio Blvd., a CRUISE driverless vehicle license plate # 74169C3 came into an active fire scene at 3249 Sacramento St..
2. When this driverless car first came into the block at Sacramento and Presidio, it stopped initially next to E51, and then began to jut forward incrementally proceeding east towards the fire scene itself at 3249 Sacramento.
3. As it proceeded, it came into close contact with the driver of E51 who was supplying the main engine in front of the fire building, other firefighters proceeding to the command post, and also hose supplying the lead engine in front of the fire building.
4. To stop its forward movement, I had the driver of E51 place chalk blocks on the CRUISE vehicle driver front tire, stopping its forward movement.
5. RC 2, Cpt. Salan then gave me the emergency contact number to CRUISE to try to make contact with the company concerning this vehicle.
6. With contact with the company, the operator after about 8-10 minutes (and with my assistance stopping traffic) was able to back the car out from the fire scene and the car proceeded north along Presidio Blvd.

Workflow	From		To	
04/20/2023	[REDACTED]	Forwarded	[REDACTED]	forward
04/21/2023	[REDACTED]	Contents Noted	CD2	This erratic behavior continued as the vehicle drove away impeding MUNI travel.
04/21/2023	[REDACTED]	Acknowledged	[REDACTED]	We need this addressed, and moved up the priority list. Its becoming a daily problem
04/21/2023	[REDACTED]	Acknowledged	CD1	yet another
04/24/2023	[REDACTED]	Workflow End		

CRUISE

Scene

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San Francisco Fire Department

Unusual Occurrence

04/25/2023

From: [REDACTED]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. On 04/25/2023 at 1025 hours T11 was responding code 3 to Box 8217 at 442 Arlington St. Incident #23056225
2. Enroute T11 turned left onto Roanoke St from Chenery St. Approaching from the opposite direction was a driverless Waymo Jaguar vehicle. The vehicle continued to approach until within 10 feet and stopped. Roanoke is a single lane street with parallel parking on both sides. The vehicle remained blocking the street. We approached the vehicle on foot, the windows went down and we heard a voice of the operator monitoring the vehicle. I informed the monitor that the vehicle was blocking a SFFD vehicle's response to a SIB Box and that they needed to direct the vehicle into the driveway adjacent to the car. The monitor responded "yes, I understand." The Waymo vehicle however did not move. I directed the T11 driver to back up T11 onto Chenery and continue to the call on the next available street wide enough for the truck, Bosworth St.
3. Battalion 6 was notified as to the reason for our delay. B06 had already cancelled the Box before we arrived on scene.
4. On our route back to the firehouse we saw another Waymo vehicle that had a operator in the vehicle. I informed them of what occurred. He stated he would report it and recommend the area to be blocked for their vehicles as the streets are to narrow for them to operate.

Workflow	From		To	
04/25/2023	[REDACTED]	Forwarded	Hoo,E	
04/25/2023	[REDACTED]	Info Only	B06	Waymo blocking T11 response to Box 8127
04/25/2023	[REDACTED]	Acknowledged	D3	A civilian put a picture of this Waymo incident on Twitter.
04/25/2023	[REDACTED]	Contents Noted	CD2	Contents Noted
04/25/2023	[REDACTED]	Contents Noted	CD1	
04/27/2023	[REDACTED]	Info Only	Cofflin,K	
04/27/2023	[REDACTED]	Info Only	Cofflin,K	
04/27/2023	[REDACTED]	Workflow End		

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San Francisco Fire Department

Unusual Occurrence

04/25/2023

From: [REDACTED]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

- At approximately 21:53 on April 25, 2023 Truck 3 was in route to a building alarm at 1177 Market Street (Incident #23056522) going Code 3 with lights and siren.
- Truck 3 was travelling south on Polk Street, and as we approached Geary Street a Cruise autonomous vehicle was in the right lane west bound on Geary. All traffic was stopped on Polk and Geary except that the Cruise vehicle was lurching forward in uneven movements toward the intersection. The vehicle came too close to Truck 3's path. It seemed that if the driver of Truck 3 had slowed down the Cruise vehicle might have continued in front of us. We were going approximately 5-10 mph after first controlling the intersection.
- We could not see a driver or passenger in the vehicle.

Workflow	From		To	
04/25/2023	[REDACTED]	Forwarded	T03	
04/25/2023	[REDACTED]	Contents Noted	B04	
04/26/2023	[REDACTED]	Contents Noted	D2	noted
04/26/2023	[REDACTED]	Contents Noted	CD2	As mentioned, driverless car incidents are dangerous and frequent.
04/27/2023	[REDACTED]	Acknowledged	[REDACTED]	
04/27/2023	[REDACTED]	Contents Noted	CD1	another
04/27/2023	[REDACTED]	Workflow End		



San Francisco Fire Department

Unusual Occurrence

04/26/2023

From: [Redacted]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

- At 18:08 on April 26, 2023 I arrived on scene at 2396 Pine Street (Incident #23056929).
- Engine 38 positioned in front of the apartment building, just past the entrance.
- A Cruise autonomous vehicle was behind Engine 38 when they arrived. The Cruise vehicle stopped approximately 10-15 feet behind the engine.
- I wanted the vehicle to move so that Truck 5 would be able to stop behind Engine 38 for a good aerial shot. I tried waving my arms, and walking at the vehicle from the sidewalk side to encourage it to go around the engine. Eventually the vehicle moved forward to within approximately 6 feet of Engine 38's tailboard. This made things worse because it was close to compromising a hose lead from 38, and it would have been hard for the vehicle to turn enough to pass Engine 38 going forward. I would also be uncomfortable with crew members working at the tailboard as I have seen these vehicles lurch unexpectedly. I don't trust what might happen with hoses and ladders being carried very close to the sensors of the vehicle.
- Around this time Truck 5 arrived. I motioned for the driver to pull up behind the Cruise vehicle with code 3 lights, hoping the vehicle would move out of the way. I was standing on the sidewalk side of the vehicle to make it possible for the vehicle to go out into traffic. This did not work.
- The crew of Truck 5 assisted me with poking and prodding the vehicle, and pounding on the windows until the driver's window rolled down. This happened a couple minutes after the vehicle initially stopped. I went to the window and communicated with someone. The individual apologized for the "inconvenience", and said a team was working on moving the car. Even after talking to him the car did not immediately get moved from the scene. I informed him that this time it was an "inconvenience", but if someone needed to be rescued by the Truck it could have been a life and death situation.
- If the same situation occurs behind an aerial truck it may be difficult or impossible to remove wooden ladders.

Workflow	From		To	
04/26/2023	[Redacted]	Forwarded	B04	
04/26/2023	[Redacted]	Contents Noted	D2	Forwarded
04/26/2023	[Redacted]	Contents Noted	CD2	This is an increasing problem. I believe there are many more incidents that are not being reported. Instructing BCs to make sure crews are reporting these for a more accurate picture of this to report to company and powers that be.
04/27/2023	[Redacted]	Acknowledged	[Redacted]	another
04/27/2023	[Redacted]	Acknowledged	CD1	number 3 today!
04/27/2023	[Redacted]	Workflow End		

Cruise scene

70



San Francisco Fire Department

Unusual Occurrence

04/26/2023

From: [REDACTED]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. On 4/26/2023 Truck 5, Engine 5 and Battalion 4 were dispatched to a building alarm 1425 Fillmore, Incident # 23057047
2. Both Engine and Truck were facing North in the Southbound lane leaving one lane for through traffic.
3. As we exited the rigs to gather equipment a "Cruise" autonomous vehicle attempted to squeeze past both rigs. When the driver of the Truck 5 stepped in front of the vehicle it honked at us and completely froze blocking any through traffic. There were three passengers in the back seat who were unable to control the vehicle. I made my way to the window spoke with an operator over the intercom and explained that this vehicle needs to either wait for all members of the fire department crews to safely exit the area or pull to the curb. The vehicle was remotely taken over and guided past our emergency vehicles.
4. As these autonomous vehicles are learning traffic patterns they have become more aggressive with first responder units and their attempts to navigate around them. They could potentially delay fast, aggressive hose leads as well as impede ladder and tool removal from trucks.
5. This was our second such interaction today. First was UO submitted by Battalion 4 Incident # 23056929

Workflow	From		To	
04/26/2023	[REDACTED]	Contents Noted	B05	
04/27/2023	[REDACTED]	Contents Noted	D2	Contents noted
04/27/2023	[REDACTED]	Contents Noted	CD2	More Cruise
04/27/2023	[REDACTED]	Acknowledged	[REDACTED]	another
04/27/2023	[REDACTED]	Contents Noted	CD1	another
04/27/2023	[REDACTED]	Workflow End		

7/19



San Francisco Fire Department

Unusual Occurrence

05/03/2023

From: [REDACTED]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. On the morning of 04/29/2023 E44 responded to a medical dispatch at 162 Tioga Road at 01:29 am.
2. Upon arrival there was a male passenger in the back seat of a WAYMO ride share vehicle.
3. The passenger was finally awakened and was able to open the door.
4. The passenger who had a smell of etoh declined any medical attention.
5. When the passenger left the vehicle FF Loh from E44 gained access to the drivers seat and a ride share technician came onto audio.
6. It was stated that the WAYMO vehicle was blocking a narrow street and we needed access to the car to move it and park it out of the way.
7. The WAYMO representative stated that we were not granted access to move the car and that a technician needed to come out and move the car.

Workflow	From		To	
05/03/2023	[REDACTED]	Forwarded	E17	
05/03/2023	[REDACTED]	Contents Noted	[REDACTED]	
05/03/2023	[REDACTED]	Contents Noted	[REDACTED]	It is very concerning that we do not have the ability to manually takeover and move these cars.
05/09/2023	[REDACTED]	Contents Noted	CD2	Forwarding driverless vehicle UO from CPT Murphy on 5/3/2023.
05/09/2023	[REDACTED]	Acknowledged	[REDACTED]	
05/09/2023	[REDACTED]	Contents Noted	[REDACTED]	Please forward to City AV representative to report to Waymo.
05/09/2023	[REDACTED]	Workflow End		

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San Francisco Fire Department

Unusual Occurrence

05/03/2023

From: [Redacted]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. I respectfully submit this Unusual Occurrence to document a Waymo vehicle that suddenly stopped in front of D3's Buggy as D3's emergency lights were applied while attempting to back into the Quarters of Station 7.
2. This incident occurred on May 3, 2023 at approximately 2110 hours when D3 was returning from a Box. The license # was 15104H3.
3. A video clip has been emailed to the deputy Chief of Operations as it could not be uploaded to this UO on HRMS.

Workflow	From		To	
05/03/2023	[Redacted]	Forwarded	D3	
05/03/2023	[Redacted]	Contents Noted	CD2	Chief, The video clip has been emailed to you as it would not upload on HRMS In Box.
05/09/2023	[Redacted]	Acknowledged	CD1	Video emailed to you
05/11/2023	[Redacted] J	Acknowledged	[Redacted]	Is this all going to [Redacted] in prevention?
05/11/2023	[Redacted]	Info Only	[Redacted]	fyi
05/12/2023	[Redacted]	Workflow End		



San Francisco Fire Department

Unusual Occurrence

05/05/2023

From: [REDACTED]
To: Deputy Chief of Operations
Reference: Rules and Regulations, Section 1128

1. On May 4, 2023 at 2141 hours Engine 36 was dispatched to Incident #23060822 at 1161 Mission St. for the Building Alarm.
2. Engine 36 went enroute at 2142.
3. While attempting to leave the apparatus bay of Station 36 to respond to the Alarm, Engine 36 became blocked in the station by a driverless vehicle.
4. The crew of Engine 36 exited the engine and approached the driverless vehicle that had stopped in front of the apparatus bay in attempt to get the driverless vehicle to move.
5. While attempting to get the driverless vehicle to move Battalion 2 was notified by Engine 1 that the building alarm was set off in relation to Engine 1's Incident #23060819 a dumpster fire.
6. Battalion 2 canceled the Incident, Engine 36 going AOR at 2145 while Engine 36 was still attempting to get the driverless vehicle to move.
7. With the incident being canceled, Engine 36 backed into quarters.
8. Not until Engine 36 backed into the apparatus bay did the driverless vehicle drive away from blocking the apparatus bay of Engine 36.

Workflow	From		To	
05/05/2023	[REDACTED]	Forwarded	T06	
05/05/2023	[REDACTED]	Contents Noted	B02	contents noted
05/05/2023	[REDACTED]	Contents Noted	D3	B2 was notified this morning of an unusual occurrence involving a driverless vehicle blocking the apparatus bay during a dispatch. Engine 36 was cancelled from the incident before it was able to notify responding units of delay. Pictures of vehicle are enclosed.
05/05/2023	[REDACTED]	Contents Noted	CD2	
05/09/2023	[REDACTED]	Acknowledged	CD1	we should be able to issue a citation with this info
05/09/2023	[REDACTED]	Info Only	[REDACTED]	
05/09/2023	[REDACTED]	Workflow End		

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San Francisco Fire Department

Unusual Occurrence

05/08/2023

From: [REDACTED]
To: Deputy Chief of Operations
Reference: Rules and Regulations, Section 1128

1. On May 6, 2023 B01 responded to a Building Alarm at 1060 Bush, Inc# 23061787.
2. E41 was parked in the Number 1 lane. B01 parked behind E41 in the Number 1 lane.
3. Approximately 2-3 minutes after B01 had parked a Cruise Driverless car pulled up directly behind B01 in the Number 1 lane and stopped.
4. The Cruise Driverless car remained behind B01 for the duration of the call and then after sitting still for 20 minutes it pulled into the Number 2 lane, narrowly missing a firefighter on E41 as he was putting gear back into the Engine.
5. Per a request form Division 2 I am submitting the Unusual Occurrence Form with attached photos through the Chain of Command to Deputy Chief Robert Postel..
6. If you have any questions please do not hesitate to call.

Workflow	From		To	
05/08/2023	[REDACTED]	Forwarded	D2	Driverless Cruise vehicle photos
05/10/2023	[REDACTED]	Contents Noted	CD2	Close call again. CRUISE
05/11/2023	[REDACTED]	Acknowledged	CD1	another
05/11/2023	[REDACTED]	Returned	[REDACTED]	for flores
05/11/2023	[REDACTED]	Info Only	[REDACTED]	
05/11/2023	[REDACTED]	Workflow End		
05/12/2023	[REDACTED]	Contents Noted	[REDACTED]	

Cruse

Scene

05/23



San Francisco Fire Department General Form

05/09/2023

From: [REDACTED]
 To: Chief - Battalion 05
 Subject: Autonomous Vehicle, Obstruction of Fire Apparatus
 Reference:

1. The following event occurred on May 9th, 2023 at 11:13
2. Reference Waymo Autonomous vehicle with no attendant; License Plate 40489F3
3. While travelling southbound on Webster and returning to quarters, Truck 5 "swung out" to align the trailer for backing into quarters.
4. Even though Truck 5 had all emergency lights operating, a Waymo vehicle as described above approached the rear of Truck 5 and stopped in a location that prevented our rearward travel. It continued to creep forward until I turned it's drivers-side mirror forward and pounded on the window.
5. After leaning into the vehicle to call an attendant on the telephone, and being connected, I was informed that there is no way to move the vehicle. The attendant was unable to move the vehicle backward, and told me that I would be unable to move the vehicle myself. The vehicle then tried to roll the windows up while I was leaning in and talking to the telephone attendant.
6. I was then informed that we would have to wait for a Waymo person to arrive to move the vehicle.
7. Truck 5 abandoned it's efforts to back into quarters and drove around the block so the Waymo car could move out from in front of the Fire Station.
8. The Waymo vehicle moved over to the side of the street after Truck 5 had cleared the street for it, and then drove off before anyone came to assist or we were able to make additional contact with Waymo personnel regarding the car.

Workflow	From		To
05/09/2023	[REDACTED]	Forwarded	T05
05/09/2023	[REDACTED]	Contents Noted	B05
05/09/2023	[REDACTED]	Workflow End	

This should be an Unusual Occurrence

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San Francisco Fire Department

Unusual Occurrence

05/09/2023

From: [REDACTED]
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. On May 9th 2023 at 1555hrs in front of Station 2 a Cruise autonomous car failed to stop and ran over several lengths of hose that were laid out in the street. The car ran over the gorter/wye. The car stopped when it was approached by members of E2.
2. The SFPD were notified and officer Tang Badge # 877 responded. Incident # 230322078
3. Vehicle information : License # 74073C3, orange and white Cruise car.
4. Driver info: No driver present in vehicle..
5. Cruise was notified by cellphone. They arrived at 1315 hrs. Carina Contrares Gudino Cell phone # 415 314 1554 was the cruise representative.
6. A equipment request for a replacement gorter and Wye was submitted via HRMS.
7. There were no injuries connected with this incident.
8. Pictures of the incident were sent to Div 2 .

Workflow	From		To	
05/09/2023	[REDACTED]	Forwarded	E02	
05/09/2023	[REDACTED]	Contents Noted	B01	Information reviewed.
05/09/2023	J [REDACTED]	Contents Noted	D2	D2 Contacted and pictures of incident forwarded via Cell phone.
05/10/2023	[REDACTED]	Contents Noted	CD2	CRUISE
05/11/2023	[REDACTED]	Acknowledged	CD1	Appears a gorter shutoff and wye were damaged. That is several thousand dollars of damage
05/11/2023	[REDACTED]	Contents Noted	[REDACTED]	did you hear who we are supposed to submit the damage costs to?
05/11/2023	[REDACTED]	Workflow End		
06/23/2023	[REDACTED]	Info Only	BE	FYI
06/23/2023	[REDACTED]	Info Only	[REDACTED]	Please see attached unusual Occurrence. Cruise contact person, regarding insurance claim (Marissa 702-790-5180).

Cruise

hose

27 25



San Francisco Fire Department

Unusual Occurrence

05/19/2023

From: [Redacted] (LA 1100 DT)
To: Chief of Department
Reference: Rules and Regulations, Section 1128

1. On 16 May 2023 at 0915 hours (#23066112) IFO 109 Oak st 3 driverless vehicles caused traffic to back up.
2. The driverless vehicles were all "Cruise" License # 750140P3, 2531953, (the 1st vehicle license plate # was not recorded).
3. Traffic went from 3 lanes down to 1 because of a vehicle accident.
4. Each one of these three "Cruise" driverless vehicles stopped and blocked traffic both before passing the Fire Engine and immediately in front of the Fire Engine.
5. This caused already slow traffic to come to a standstill and the drivers of the other vehicles became frustrated and were honking their horns trying to coerce the driverless vehicles to move through the green lights.
6. These events were witnessed by the crew of E-36, B-2 and the responding SFPD Officer.

Workflow	From		To	
05/19/2023	[Redacted]	Forwarded	E36	
05/19/2023	[Redacted]	Info Only	[Redacted]	
05/23/2023	[Redacted]	Acknowledged	Hickey, J	
05/27/2023	[Redacted]	Acknowledged	[Redacted]	Contents Noted
05/27/2023	[Redacted]	Contents Noted	[Redacted]	
05/30/2023	[Redacted]	Acknowledged	[Redacted]	
05/30/2023	[Redacted]	Info Only	[Redacted]	
06/01/2023	[Redacted]	Info Only	[Redacted]	
06/01/2023	[Redacted]	Info Only	Kajala, S	
06/01/2023	[Redacted]	Info Only	[Redacted]	
06/01/2023	[Redacted]	Workflow End		

28 24



San Francisco Fire Department

Unusual Occurrence

05/27/2023

From: [REDACTED]

To: Chief of Department

Reference: Rules and Regulations, Section 1128

1. On Friday May 26 I responded to 99 Grove as the Officer of E36 to a call for service CAD#23070893.
2. At approximately 2215hrs we approached the intersection of Polk and Grove to find a driverless vehicle stopped in the intersection
3. The position of the vehicle was in such a position that the engine driver had to maneuver around in heavy traffic to obtain apparatus placement
4. The AV company involved was Cruise, one vehicle involved, California license plate number 25653S3
5. There was no call to the company for assistance, once we maneuvered around the vehicle and positioned the vehicle drove away
6. I recommend these companies work to ensure the vehicles pull over appropriately and not stop their vehicles in the middle of intersections

Workflow	From		To	
05/27/2023	[REDACTED]	Forwarded	E36	
05/27/2023	[REDACTED]	Contents Noted	B02	
05/27/2023	[REDACTED]	Contents Noted	D3	Contents Noted
05/27/2023	[REDACTED]	Contents Noted	CD2	
05/30/2023	[REDACTED]	Returned	D3	if the links on the bottom of the form are attachments, they are not able to be opened. Please use the proper attachment process. If they are something else, what are they and why are they in the report?
05/30/2023	[REDACTED]	Returned	[REDACTED]	Chief, Please see my corrected version of the attachments. Thank you.
06/01/2023	[REDACTED]	Acknowledged	D3	Corrected attachments
06/02/2023	[REDACTED]	Contents Noted	CD2	links corrected as requested
06/02/2023	[REDACTED]	Acknowledged	[REDACTED]	
06/02/2023	[REDACTED]	Info Only	CD1	
06/05/2023	[REDACTED]	Workflow End		

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San Francisco Fire Department

Unusual Occurrence

05/30/2023

From: [REDACTED]

To: Chief of Department

Reference: Rules and Regulations, Section 1128

1. On May 30, 2023, at 11:39 hours, I (B06) was dispatched to Incident # 23072355 with E11 and T11 for a building alarm at 1220 Noe Street.
2. When I arrived on scene, I parked my vehicle across the street from the incident address and noticed a driverless Waymo vehicle, traveling southbound on Noe had stopped approximately 15 feet from the corner of 25th Street. The Waymo vehicle was driverless, however there was a third party female passenger in the back seat. Her purpose was "testing" and she stated she was not a Waymo employee.
3. I approached the Waymo vehicle, license plate #53499F3 and could hear the female passenger speaking to a Waymo representative. I told the Waymo representative that he needed to move the vehicle out of the way immediately. He stated that he was unable to do it, that a human had to move it and that he had roadside assistance dispatched and their ETA would be approximately 3 minutes.
4. In the meantime, I observed the Waymo vehicle move approximately 5 feet forward, reversed to the end of the block and made a 3 point turn on Noe Street in order to head Northbound on Noe Street.
5. It took approximately 6 minutes for the vehicle to move out of the way of the incident.

Workflow	From		To	
05/30/2023	[REDACTED]	Forwarded	D3	
05/30/2023	[REDACTED]	Contents Noted	CD2	
05/31/2023	[REDACTED]	Acknowledged	[REDACTED]	FYI
05/31/2023	[REDACTED]	Info Only	CD1	
06/01/2023	[REDACTED]	Workflow End		

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San Francisco Fire Department

Unusual Occurrence

05/31/2023

From: [Redacted]

To: Chief of Department

Reference: Rules and Regulations, Section 1128

1. On 5/31/23 B10, E29, T7 were o/s of incident #23072652 at 693 Vermont St. E29 and T7 were parked directly in front of this address in the northbound traffic lane with code 3 lights on.
2. While members were getting ready to put equipment back on apparatus a Cruise vehicle traveling northbound on Vermont St. began approaching the incident. License #83047R3 with the name of Carnation on the bumper. The vehicle slowed to an almost stop approximately 15' from E29s rear bumper. The car then began to continuously creep towards E29 while starting and stopping. At this point the car was approximately 3' from E29 and I felt the members were not safe to put away their equipment. As we have been instructed I moved the rectangular object mounded on the passenger side where the rear view mirror is typically. The car stopped for a moment and showed "Carnation reported a collision" on all 4 screens in the car. The care then got within 18" of E29s bumper and turned into the opposing southbound lane parking next to E29. The vehicle then stopped for a few minutes with the collision message on all 4 screens. Doors were locked, windows up, and no controller on the speaker attempting to talk to us. The vehicle then suddenly cleared the collision message, a map appeared and then the vehicle drove off.

Workflow	From		To
05/31/2023	[Redacted]	Forwarded	D3
05/31/2023	[Redacted]	Contents Noted	CD2
05/31/2023	[Redacted]	Contents Noted	CD1
			sending to [Redacted] also
05/31/2023	[Redacted]	Contents Noted	[Redacted]
05/31/2023	[Redacted]	Info Only	[Redacted]
06/01/2023	[Redacted]	Workflow End	

Cruise

sure

29



San Francisco Fire Department

Unusual Occurrence

06/05/2023

From: [Redacted]

To: Chief of Department

Reference: Rules and Regulations, Section 1128

1. On June 5th, 2023 at 08:08 hours E02 was dispatched to 766 Vallejo Code 3(23075083) for SOB.
2. The Engine bay was blocked by a driverless Waymo car with a passenger in the back. License Plate 53521F3.
3. The passenger got out and walked away leaving the car still blocking the firehouse.
4. I got in the car and was talking to someone from Waymo remotely telling them they needed to move the car ASAP for our Code 3 call. The employee from Waymo was flustered and was trying to override the car and have it moved. It took over 2 minutes for the car to finally move.
5. E02 was then able to respond. Battalion 1 was notified when back in quarters.

Workflow	From		To	
06/05/2023	[Redacted]	Contents Noted	B01	
06/06/2023	[Redacted]	Contents Noted	D2	[Redacted] notified of other needs regarding UO Report. It was a code 3 call so there was no time for photographs or other id info on the vehicle.
06/06/2023	Thompson, M	Contents Noted	CD2	Contents noted. I can't find the autonomous car forwarding drop down.
06/07/2023	[Redacted]	Returned	D2	The correct form is the first one under General Form on the drop down menu. Please resubmit on the proper form
06/08/2023	[Redacted]	Returned	B01	
06/08/2023	[Redacted]	Returned	[Redacted]	See return comments.
06/09/2023	[Redacted]	Workflow End		

3011 Av



San Francisco Fire Department

Autonomous Vehicle Incident

06/07/2023

From: [Redacted] Claudio N
To: Deputy Chief of Operations
Reference: Unusual Occurrence 1128

Incident Date: 06/07/2023
Time: 07:47
Incident No:
Location: 491 Chestnut St
AV Company: Waymo
Number of AVs Involved: 1
Licence Plate(s): 40693F3
Contacted Company?: Yes
AV Company Response Time: 8
Supervisor ID: RI1361 Riviuccio, Claudio N

Impact (Description of Event)

1. E02 was blocked in Quarters due to Waymo Car parked in front of Engine Bay. Incident # 23076009.
2. E02 was not able to respond to Medical call. Notified Radio we were delayed.
3. Knocked on windows of car to get a hold of Waymo employee. Took over 8 minutes to have car put into manual mode to move.
4. Notified B01.
5. Notified Scott Campbell, First Responder Ambassador Waymo of the situation. Second time this week this has happen.
6. Filed a Failure to Report Form to CD2.

Workflow	From		To	
06/07/2023	[Redacted]	Forwarded	B01	
06/07/2023	[Redacted]	Acknowledged	D2	"Failure To Complete Assignment" form also completed today (6/7/2023) for this event; SFFD Inc. # 231580556; Waymo vehicle license plate (CA) # 40693F3.
06/08/2023	[Redacted]	Acknowledged	CD2	
06/08/2023	[Redacted]	Acknowledged	CD1	
06/08/2023	[Redacted], J	Acknowledged	[Redacted]	2nd time this week. was there another form that came up. i dont remember it. all incidents must be documented.

31 AM



San Francisco Fire Department

Autonomous Vehicle Incident

06/12/2023

From: [Redacted]

To: Deputy Chief of Operations

Reference:

Incident Date 06/11/2023
 Time 22:31
 Incident No [Redacted]
 Location Post Street/Leavenworth Street
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s)
 Contacted Company? No
 AV Company Response
 Time
 Supervisor ID

Impact (Description of Event)

1. On Sunday, June 11, 2023 at 22:31, Truck 3 was responding with emergency lights and siren to a building alarm at 711 Post Street. Incident # 23078275.
2. Truck 3 was mostly in the center lane and somewhat in the left lane, heading East on Post Street. We drive in both lanes to avoid holes and bumps in the road.
3. We crossed the intersection of Leavenworth Street against the red light after gaining control of the intersection. Vehicles with drivers stopped before entering the intersection in the right and left lane on Leavenworth. The unusual occurrence was that a Cruise autonomous car was coming from further down the hill in the center lane. The autonomous vehicle did not slow down until it entered the intersection, and barely stopped a few feet from the tiller wheels of Truck 3. Truck 3 was moving at approximately 10 miles per hour through the intersection. Any vehicle coming up Leavenworth had plenty of time to react to the emergency lights on the truck, but the cruise vehicle did not react until almost colliding with the back of the trailer in the middle of the intersection.
4. No pictures were taken as we were responding to an emergency.

Workflow	From	To
06/12/2023	[Redacted]	Forwarded B04
06/12/2023	[Redacted]	Workflow End

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San Francisco Fire Department

Autonomous Vehicle Incident

06/12/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 06/06/2023
 Time 16:25
 Incident No
 Location 2750 Jackson Street
 AV Company Cruise
 Number of AVs Involved 2
 Licence Plate(s) Jingle and Milky Way (16773F3)
 Contacted Company? No
 AV Company Response
 Time
 Supervisor ID

Impact (Description of Event)

1. Sorry for late notice. I forgot about the incident when trying to concentrate on building alarm and broken sprinkler.
2. Engine 38 and Truck 5 were both double parked on Jackson facing Westbound in front of said address. Two cruise autonomous vehicles were coming from opposing directions in the one available open lane. Engine 38 had emergency lights on, Truck 5 did not, Battalion 4 buggy did not. When the autonomous vehicles met head on they froze. It took a bit of time before Jingle backed up awkwardly, and Milky Way was able to pass by.
3. Had this been a full box and other rigs were arriving then the open lane would have been rendered useless.
4. I would like to suggest that the company program the vehicles to avoid an emergency scene by going around the block, and avoid the area if possible. Most people do this in order to stay out of the way and avoid a traffic jam.

Workflow	From		To	
06/12/2023	[REDACTED]	Forwarded	B04	
06/12/2023	[REDACTED]	Contents Noted	D2	
06/21/2023	[REDACTED] M	Acknowledged	CD2	More incidents
06/22/2023	[REDACTED]	Workflow End		
06/22/2023	[REDACTED]	Info Only	[REDACTED]	

Cruise Scene

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San Francisco Fire Department

Unusual Occurrence - Accident

06/13/2023

From: [REDACTED]
To: Chief of Department
Reference: Rules and Regulations, Section 1127

1. E18 was involved in a non injury traffic accident on 6/12/2023 at 2200 hours.
2. E18 was clearing the scene of a vehicle accident response at the intersection of 25th and Lincoln Way.
3. E18 was backing down Lincoln way West bound in the East bound lanes. East bound lanes were closed by SFPD. While both the members of E18 were backing the driver in the appropriate positions the officer was stopping traffic on Lincoln Way in the West bound direction. All drivers in their personal vehicles complied and were stopping for an E18 an emergency vehicle. A Cruise self driving car failed to yield and was driving directly toward the officer. One of the backers turned their attention from backing the engine driver to the officer and the self driving car. The officer was moving out of the way of the self driving car to avoid being struck. Without the direction of that backer E18 struck a non occupied parked car, parked on Lincoln Way.
4. E18 immediately stopped moved to a safe location notified Batt 8 and SFPD and went out of service to document the backing accident.
5. Had it not been for a self driving car not yielding to an emergency vehicle, the backer and officer's attention would not have been changed from backing E18 to the hazard of a not yielding self driving car.
6. An accident report has been filed.

Workflow	From		To	
06/13/2023	[REDACTED]	Forwarded	E18	
06/13/2023	Generata,	Contents Noted	B08	
06/13/2023	J [REDACTED] T	Returned	E18	Please correct grammar.
06/13/2023	[REDACTED]	Contents Noted	B08	
06/13/2023	J [REDACTED] T	Contents Noted	D2	Self Driving Car UO
06/13/2023	[REDACTED]	Returned	B08	Please have the Officer complete the new Autonomous Vehicle Incident Report on HRMS instead of this UO. Thanks.
06/13/2023	J [REDACTED] T	Returned	[REDACTED]	See Notes from Div2.
06/23/2023	Generata,D	Contents Noted	B08	
06/23/2023	[REDACTED]	Workflow End		Resubmitted on correct form 6/23/2023.

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San Francisco Fire Department

Autonomous Vehicle Incident

06/15/2023

From: [REDACTED]
To: Deputy Chief of Operations
Reference:

Incident Date 06/15/2023
Time 05:00
Incident No 06/15/2023 04:52 - 231660297 - 1 280SB TO 101SB XR - 82C2
Location 280 NB @ Alemany
AV Company Waymo
Number of AVs Involved 1
Licence Plate(s) UNK
Contacted Company? No
AV Company Response Time
Supervisor ID

Impact (Description of Event)

As we were responding to an incident using freeway 280, we approached a driverless vehicle with our lights on. The vehicle stopped on the freeway. We switched off our c3 lights to allow the vehicle to proceed. A car that comes to a stop on the freeway poses a great hazard to oncoming traffic.

Workflow	From	To
06/15/2023	[REDACTED]	Forwarded B10
06/15/2023	[REDACTED]	Contents Noted D3
06/15/2023	Rabbit, P	Contents Noted CD2
		Forwarding E25's Waymo incident on 280.
		E25 was unable to obtain CA plate on waymo vehicle as they were traveling at freeway speed.
06/19/2023	Foster, R	Acknowledged [REDACTED]
06/20/2023	[REDACTED]	Workflow End

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San Francisco Fire Department

Autonomous Vehicle Incident

06/15/2023

From: [REDACTED] #23080111
To: Deputy Chief of Operations
Reference: U/O reports for driverless vehicles email

Incident Date 06/15/2023
Time 20:18
Incident No
Location 15th Street/Julian Ave
AV Company Waymo
Number of AVs Involved 1
Licence Plate(s) did not get license plate number
Contacted Company? No
AV Company Response n/a
Time
Supervisor ID

Impact (Description of Event)

Rescue 2 was dispatched to incident #23080111 and was responding code 3 to assist SFPD with a medical aid. While traveling down the narrow Julian Ave, a Waymo vehicle came to a stop. There were three occupants in the vehicle. All occupants exited the vehicle. The vehicle blocked our route to the medical aid. Rescue 2 backed down Julian Ave to 16th Street to use an alternate route. The incident with the Waymo vehicle caused approximately a 4 minute delay in response time.

Workflow	From		To	
06/15/2023	[REDACTED]	Forwarded	B06	
06/16/2023	[REDACTED]K	Acknowledged	D3	The GF meets all required policy guidelines.
06/16/2023	[REDACTED]P	Contents Noted	CD2	Forwarding Autonomous Vehicle Incident form for RS2.
06/19/2023	[REDACTED]	Acknowledged	[REDACTED]	
06/19/2023	[REDACTED]R	Info Only	CD1	
06/20/2023	[REDACTED]	Workflow End		

AR-310



San Francisco Fire Department

Autonomous Vehicle Incident

06/17/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 06/17/2023
 Time 0134
 Incident No 06/17/2023 01:32 - 231680158 - 430 TURK ST - 52C1G
 Location Post/Hyde
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s)
 Contacted Company? No
 AV Company Response
 Time
 Supervisor ID [REDACTED]

Impact (Description of Event)

1. Truck 3 was responding to a building alarm, following Engine 3.
2. When making the right-hand turn from Post onto Hyde, a Cruise vehicle had stopped in the right lane at the very beginning of the block.
3. The driver of Truck 3 makes this turn at least 5-10 times a day. Hyde Street provides 3 lanes to turn into, but because of the Cruise vehicle frozen on the corner we only had two lanes. This surprised the driver, and slightly slowed our response.
4. As the officer, I leaned out the window to check our clearance. I was shocked to see someone in the driver's seat of the Cruise vehicle. He waved and smiled, but he did not bother to move the vehicle forward so we could clear the back of the car.

Workflow	From		To
06/17/2023	[REDACTED]	Forwarded	B04
06/18/2023	[REDACTED]	Contents Noted	D2
06/19/2023	[REDACTED]	Contents Noted	CD2
06/19/2023	[REDACTED]	Acknowledged	[REDACTED]
06/20/2023	[REDACTED]	Workflow End	

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San Francisco Fire Department

Autonomous Vehicle Incident

06/19/2023

From: [REDACTED]
To: Deputy Chief of Operations
Reference: None

Incident Date: 06/19/2023
Time: 20:55
Incident No:
Location: 1050 17Th Street
AV Company: Cruise
Number of AVs Involved: 1
Licence Plate(s): 75102P3
Contacted Company?: Yes
AV Company Response Time: They never did respond while we were there. More than 10 mins
Supervisor ID:

Impact (Description of Event)

1. After a working fire, I noticed a Cruise car in front on E29 from the Cruise parking lot on 17th street.
2. E29 was blocked in and could not get out because T4 was behind us during fire operations.
3. The Cruise parking lot had tech-guys on scene but they said, "that they could not move the car from their location and a member from their main campus had to come out to move it".
4. After T4 moved back a couple of feet, that gave us enough room to get around the Cruise car.
5. A member from the main campus never did arrive on scene while we were stuck.

Workflow	From	To	
06/19/2023	[REDACTED]	Forwarded	B02
06/21/2023	[REDACTED]	Contents Noted	D3 xxx
06/22/2023	[REDACTED] B	Contents Noted	CD2
06/22/2023	[REDACTED] D	Workflow End	Will forward to C [REDACTED]
06/22/2023	[REDACTED]	Info Only	[REDACTED] Starting to forward you these info only. We can sit down and go over expectations.

Thank you for agreeing in principle sir.

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San Francisco Fire Department

Autonomous Vehicle Incident

06/23/2023

From: [Redacted]

To: Deputy Chief of Operations

Reference: none

Incident Date 06/22/2023

Time 12:40

Incident No

Location Station 11

AV Company Waymo

Number of AVs Involved 1

Licence Plate(s) 53516F3

Contacted Company? No

AV Company Response

Time

Supervisor ID

Impact (Description of Event)

While truck 11 was backing in to the station with spotters stopping traffic, the automated vehicle stopped and then tried to drive around the spotters. The spotters moved to block the vehicle and it tried to go around the spotters again.

Workflow	From		To	
06/23/2023	[Redacted]	Forwarded	B06	
06/23/2023	[Redacted]	Acknowledged	D3	B06 is aware of this situation and is monitoring.
06/25/2023	[Redacted]	Contents Noted	CD2	
06/26/2023	[Redacted]	Info Only	[Redacted]	This is the type of incident that does not likely trigger an "emergency response" notation on their end. A question for the Truck would be "lights on or off."
06/26/2023	[Redacted]	Workflow End		

USE 39



San Francisco Fire Department

Autonomous Vehicle Incident

06/23/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 06/22/2023
 Time 2215
 Incident No 06/22/2023 22:04 - 231733400 - 130 COLLINGWOOD ST - 10D4
 Location 130 Collingwood
 AV Company Waymo
 Number of AVs Involved 1
 Licence Plate(s)
 Contacted Company? Yes
 AV Company Response Time 10
 Supervisor ID [REDACTED]

Impact (Description of Event)

1. no physical contact, blocked one way street
2. no damage to city property
3. Passangers dropped off 1 block away prior to incident
4. 10 minutes for driverless to clear roadway

Workflow	From		To
06/23/2023	[REDACTED]	Forwarded	E24
06/23/2023	[REDACTED]	Contents Noted	B06
06/23/2023	[REDACTED]	Acknowledged	D3
06/25/2023	[REDACTED]	Contents Noted	CD2
06/26/2023	[REDACTED]	Info Only	[REDACTED]
06/26/2023	[REDACTED]	Workflow End	

Somewhat confusing narrative; the point of this from is to notify the chain of command that the roadway was blocked by the vehicle.

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San Francisco Fire Department

Autonomous Vehicle Incident

06/23/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 06/12/2023
 Time 2000
 Incident No 06/12/2023 21:22 - 231633164 - LINCOLN WY/25TH AV - 29B5
 Location 25th AVE and Lincoln Way
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s) none
 Contacted Company? No
 AV Company Response none
 Time
 Supervisor ID [REDACTED]

Impact (Description of Event)

1. E18 was involved in a non injury traffic accident on 6/12/2023 at 2200 hours.
2. E18 was clearing the scene of a vehicle accident response at the intersection of 25th and Lincoln Way.
3. E18 was backing down Lincoln way West bound in the East bound lanes. East bound lanes were closed by SFPD. While both the members of E18 were backing the driver in the appropriate positions the officer was stopping traffic on Lincoln Way in the West bound direction. All drivers in their personal vehicles complied and were stopping for an E18 an emergency vehicle. A Cruise self driving car failed to yield and was driving directly toward the officer. One of the backers turned their attention from backing the engine driver to the officer and the self driving car. The officer was moving out of the way of the self driving car to avoid being struck. Without the direction of that backer E18 struck a non occupied parked car, parked on Lincoln Way.
4. E18 immediately stopped moved to a safe location notified Batt 8 and SFPD and went out of service to document the backing accident.
5. Had it not been for a self driving car not yielding to an emergency vehicle, the backer and officer's attention would not have been changed from backing E18 to the hazard of a not yielding self driving car.
6. An accident report has been filed.

Workflow	From		To
06/23/2023	[REDACTED] D	Forwarded	B08
06/23/2023	[REDACTED] D	Contents Noted	B08
06/23/2023	[REDACTED]	Contents Noted	D2

Resubmitting on correct form.

42 491



San Francisco Fire Department

Autonomous Vehicle Incident

06/24/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference: Rules and Regulations: Article 1128 Unusual Matters & 1112 Response to Alarms

Incident Date 06/24/2023

Time 12:55

Incident No 06/24/2023 12:55 - 231751618 - 4TH ST/MISSION ST - 31D2

Location 2 Falmouth Street

AV Company Waymo

Number of AVs Involved 1

Licence Plate(s) 40687F3

Contacted Company? Yes

AV Company Response N/A

Time

Supervisor ID [REDACTED]

Impact (Description of Event)

1. E01 was returning back to quarters on Falmouth Street when a Waymo blocked our route and delayed our response to Incident #23084135. The street has 2 way traffic, but is narrow.
2. Waymo had 2 passengers in the vehicle. E01 members turned on the lights to stop the vehicle from attempting to continue its route head on towards E01. Then E01 members proceeded to get out and make contact with the vehicle. The passengers inside Waymo pressed a button in the interior of the vehicle for assistance. E01 requested the Waymo Support Team back the vehicle up, but the Waymo Support Team was unable to back the vehicle remotely. E01 turned off our lights to make the situation less complicated for the Waymo vehicle.
3. While attempting to deal with this issue, E01 was dispatched to 4th & Mission, Incident #23084135 for a medical Unconscious Abnormal Breathing. E01 had to backup the Engine to Shipley Alley and then proceed to 6th Street to respond.
4. The Waymo vehicle had no reaction to being on a tight street with E01, but to stop and be a barrier that would not move. E01 was delayed responding and can see incidents like this occurring frequently with SFFD vehicles due to the tight streets in San Francisco.

Captain [REDACTED]

Workflow	From	To
06/24/2023	[REDACTED]	Forwarded B02
06/24/2023	[REDACTED]	Contents Noted D3 Noted B2

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San Francisco Fire Department

Autonomous Vehicle Incident

06/28/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 06/28/2023
 Time 17:10
 Incident No
 Location Haight/Steiner
 AV Company Waymo
 Number of AVs Involved 1
 Licence Plate(s) N/A
 Contacted Company? No
 AV Company Response
 Time
 Supervisor ID [REDACTED]

Impact (Description of Event)

While suppling E6 at the Working Fire a Waymo Vehicle was going to run over charged 3" hose line. The driver of E36 stopped the Waymo Vehicle by standing in front of it. The vehicle then started to creep forward, the driver of E36 banged on the window and tried to get the car to respond The car did not respond to verbal commands. So the Driver of E36 put a chalk block under the tire of the Waymo vehicle, so it would not drive over the hose lines. The Waymo vehicle then drove over the chalk block and made a u-turn and left the scene.

Incident # 23086097

Workflow	From		To
06/28/2023	[REDACTED]	Forwarded	B02
06/28/2023	[REDACTED]	Contents Noted	[REDACTED]
06/29/2023	[REDACTED] M	Contents Noted	D3 xxx
06/29/2023	[REDACTED] B	Contents Noted	CD2
06/30/2023	[REDACTED]	Workflow End	

waymo

scene

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San Francisco Fire Department

Autonomous Vehicle Incident

07/03/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference: G.O. 23 A-34 San Francisco Fire Department FEMA CA-TF3

Incident Date 07/02/2023

Time 19:58

Incident No 07/02/2023 19:43 - 231832706 - 350 GOLDEN GATE AV - 53A2

Location IFO Station 03, 1067 Post St.

AV Company Waymo

Number of AVs Involved 1

Licence Plate(s) N/A

Contacted Company? Yes

AV Company Response Time 1 Day

Supervisor ID [REDACTED]

Impact (Description of Event)

After returning from Inc.# 23088039 on 07/02/2023, T03 was preparing to back into Quarters with warning lights on and operating properly and 2 FF's, as spotters, set up on Post St. to stop cars from attempting to go around the Truck as it was backing up. One of the vehicles that stopped in the street was an unoccupied autonomous Waymo vehicle.

As T03 started to go in reverse, the Waymo vehicle lunged forward a few feet and then stopped, nearly striking one of the FF's in the street who was in front of the autonomous vehicle. I, as the Officer, had T03 continue to back into Quarters as I walked up to the Waymo vehicle that was still stopped on Post St. I directed the other vehicles that were stopped on Post St. to continue on as I carefully approached the vehicle on the "driver's side" and knocked on the window, saying, "Roll down the window.". The "driver's side" window rolled down and I leaned in and asked to talk to a representative. A person's voice spoke up and at that time I opened the "driver's side" door and leaned in so as to hopefully prevent the car from moving any more and I could hear the Waymo representative better. I had a very brief conversation with the Waymo representative and described what had happened and stated that it was not ok.

After the brief conversation, I closed the door and returned to Quarters. The Waymo vehicle drove away without further incident. This whole incident lasted about 3-4 minutes.

At approximately 13:30hrs on 07/03/2023 I received a phone call on the SFFD Main Line from another representative of Waymo asking for details on the incident. I politely informed this person that I would not be able to talk to him about this and that the SFFD has a procedural process regarding autonomous vehicles. I asked for his contact information and let him know someone would contact him if necessary. The Waymo representative's name is, Scott Campbell and his phone number is, 916-862-1306.

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San Francisco Fire Department

Autonomous Vehicle Incident

07/14/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 07/14/2023

Time 03:50

Incident No 07/14/2023 03:53 - 231950282 - 1030 POST ST - WF

Location 1030 Post

AV Company Cruise

Impact (Description of Event)

Truck 5 approaching fire building, west bound on Post from Larkin. Fire blowing out the top floor streetside window of a fully occupied apartment building in the early morning. Cruze vehicle stopped in the middle of the lanes with emergency blinkers on. Cruze vehicle was blocking either of the two possible aerial ladder placements available to truck truck 5. Truck 5 stopped and waited for 30 seconds and the Cruze vehicle did not move. With no ability to throw the aerial ladder because of the Cruze vehicle, Truck 5 moved off the the far side of the street from the fire and began to go to work. Once Truck 5 had moved out of the way of the Cruze vehicle, it continued on its way and left the scene. No photos, we were going to work at a working fire. Our inability to get an aerial placement due to the autonomous vehicle was reported immediately to the incident commander.

Cruise Scene



San Francisco Fire Department
Autonomous Vehicle Incident

07/14/2023

From: [REDACTED]
To: Deputy Chief of Operations
Reference:

Incident Date 07/13/2023
Time 23:10
Incident No 07/13/2023 22:51 - 231943820 - 440 GEARY ST - 52C3S
Location IFO 1067 Post
AV Company Cruise

Impact (Description of Event)

Upon returning to Quarters from a building alarm, T03 had stopped IFO Quarters to allow spotters out and then proceeded forward with all warning lights on and flashing. At that time a "Cruise" vehicle was approaching us on Post St and had just crossed Polk. This vehicle was in the left hand lane (drivers's side of the Truck) and was not slowing down. T03 slowly proceeded forward to be in position to reverse into Quarters.

At that point the spotter realized the unmanned autonomous vehicle was not going to stop and got out of the way and attempted to verbally warn the Truck Driver of the uncontrolled vehicle. The autonomous car narrowly missed the spotter and shot past T03 as it was preparing to reverse into Quarters and never slowed down or stopped.

This could have been a major tragedy if the spotter was distracted or looking another direction or if the Truck driver hadn't heard the spotter's warning and adjusted the Tractor's position.

SA 46



San Francisco Fire Department

Autonomous Vehicle Incident

07/16/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 07/15/2023
 Time 22:59
 Incident No
 Location 1900-2000 block of 9th Avenue
 AV Company Cruise

Impact (Description of Event)

After staging for SFPD to clear a scene on 9th Avenue, a Cruise autonomous vehicle entered the scene and found no way through. All of the SFPD apparatus including ambulance, RC, and Truck 18 heading southbound were blocked a few hundred feet away when the vehicle tried to problem solve and turn around. It did not respond to initial attempts to stop it, pulling door handles, etc. and continued to move small increments forward and back, left and right, in an attempt to get through somehow. After we moved all personnel, equipment, and patient away from the area of the vehicle (approximately 10 minutes) it found a driveway and moved itself into a parallel parked position allowing emergency vehicles through.

- No contact between AV and city vehicles.
- No property damage
- No passengers at the time

Cruise

Scene

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San Francisco Fire Department

Autonomous Vehicle Incident

07/26/2023

From: [REDACTED]
To: Deputy Chief of Operations
Reference: Email - 06/06/2023 from [REDACTED]

Incident Date: 07/26/2023
Time: 0130
Incident No:
Location: 18th ave/Balboa
AV Company: Cruise

Impact (Description of Event)

1. On the morning on Wednesday July 26, 2023, E34 was dispatched to a working fire at 1625 Balboa St (#23098958).
2. E34 was 3rd due and approached the fire scene from 18th Ave and Balboa. E34 backed down to E14 and dropped a supply then lead out to 18th Ave hydrant. FF O'Toole was the engine operator.
3. FF O'Toole stated that while he was performing his duties as a supply company, a self driving "Cruise" vehicle drove up Balboa and stopped right next to the fire engine at the intersection where he was maneuvering large diameter hose.
4. The driverless car remained in that position for approximately 30 minutes before it drove away down 18th Ave. The driverless car impacted FF O'Toole's operations and created more of an unsafe evolution. FF O'Toole overcame the obstacle and completed all tasks needed to suppress the fire.

Cruise seen

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San Francisco Fire Department

Autonomous Vehicle Incident

07/27/2023

From: [REDACTED] #110-510
To: Deputy Chief of Operations
Reference: None

Incident Date 07/26/2023
Time 22:35
Incident No 07/26/2023 22:26 - 232073356 - 2ND ST/HOWARD ST - 23D1G
Location 2nd/Minna
AV Company Cruise

Impact (Description of Event)

1. No physical contact between AV and any city property
2. No city property damage
3. 2 passengers in AV
4. No passenger pick up or drop off was occurring during incident but passengers exited car shortly after AV blocked roadway
5. AV turned off 2nd St onto Minna where E35 and RC1 were providing pt. care. AV backed up and stopped at corner of intersect in the middle of the roadway blocking Minna St from 2nd St for approx. 5 minutes. This blockage of the roadway caused M86 to have to park on 2nd St. AV moved to the side of street approx. 2 minutes after M86 parked on 2nd St.

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San Francisco Fire Department

Autonomous Vehicle Incident

07/28/2023

From: [REDACTED]
To: Deputy Chief of Operations
Reference: Email dated 5/11/23 from CD2

Incident Date 07/27/2023
Time 20:42
Incident No 07/27/2023 20:42 - 232083167 - 1242 19TH AV - WF
Location 1242 19th ave
AV Company Cruise

Impact (Description of Event)

1. At 20:41 E40 was dispatched to a working fire at 1242 19th ave . E40 was second due . We were traveling west bound on Irving and turned the rig around at 19th and Irving to facilitate a supply line. A cruise vehicle was behind the rig in our path of travel. Because 19th ave has 3 lanes we were able to back up around the stopped vehicle.
2. There were spotters present while the engine was reversing.
3. We were not able to disarm the vehicle due to the working fire.
4. The driver informed me that a Cruise rep was on scene to deal with the vehicle in about an hour.
5. Due to the position of the vehicle our response time was slightly delayed.

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San Francisco Fire Department

Autonomous Vehicle Incident

07/28/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 07/28/2023
 Time 09:25
 Incident No
 Location IFO Fire Station 5, Webster side
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s) 25672S3
 Contacted Company? Yes
 AV Company Response Time 7 Minutes from phone call
 Supervisor ID

Impact (Description of Event)

Truck 5 was parked IFO the fire station on the Webster Street side, partially strattling the North bound left turn lane and painted median (where we always park.) Traffic cones had been placed alongside the apparatus so as to notify traffic that the vehicle was parked and to allow the crew to work around the appartaus to conduct our morning checks. At approximately 09:25, a Cruze vehicle as above approached the front of the apparatus in a manner that showed it was not able to identify the nature of the activities being conducted around Truck 5. One of the crew members who was nearby approached the vehcile, which did not move or make any attempt to correct the behavior. In the name of safety of the Truck 5 crew working around the Truck, a traffic cone was placed on the hood of the Cruise vehicle and the emergency phone number of Cruise was called.

The phone call took 5 minutes and Cruise repsonded with a person to move the vehicle in about 7. While the Cruise representative, Clinton, suggested we remove the cone so that a person could move the car remotely, for the safety of the Truck 5 crew, I opted to leave the cone on the hood of the Cuise vehicle until a live person was present to move the vehicle. Problem resolved at approximately 09:42

Workflow	From		To	
07/28/2023	[REDACTED]	Forwarded	B05	
07/28/2023	[REDACTED]G	Acknowledged	D2	Contents noted
07/28/2023	[REDACTED]	Contents Noted	CD2	

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San Francisco Fire Department

Autonomous Vehicle Incident

07/26/2023

From: [REDACTED] - E51
To: Deputy Chief of Operations
Reference: Email - 06/06/2023 from AC Rabbitt

Incident Date 07/26/2023
Time 0130
Incident No
Location 18th ave/Balboa
AV Company Cruise
Number of AVs Involved 1
Licence Plate(s) unable to obtain
Contacted Company? No
AV Company Response N/A
Time
Supervisor ID [REDACTED]

Impact (Description of Event)

1. On the morning on Wednesday July 26, 2023, E34 was dispatched to a working fire at 1625 Balboa St (#23098958).
2. E34 was 3rd due and approached the fire scene from 18th Ave and Balboa. E34 backed down to E14 and dropped a supply then lead out to 18th Ave hydrant. FF O'Toole was the engine operator.
3. FF O'Toole stated that while he was performing his duties as a supply company, a self driving "Cruise" vehicle drove up Balboa and stopped right next to the fire engine at the intersection where he was maneuvering large diameter hose.
4. The driverless car remained in that position for approximately 30 minutes before it drove away down 18th Ave. The driverless car impacted FF O'Toole's operations and created more of an unsafe evolution. FF O'Toole overcame the obstacle and completed all tasks needed to suppress the fire.

Workflow	From		To	
07/26/2023	[REDACTED]	Forwarded	[REDACTED]	
07/26/2023	[REDACTED]	Contents Noted	[REDACTED]	Form filled out....in the INCIDENT NO.....box tried multiple times to put the incident information in through the search box and was not able to input information once "applied changes" was applied to the electronic form.
07/26/2023	[REDACTED]	Contents Noted	CD2	
07/27/2023	[REDACTED]	Workflow End		

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San Francisco Fire Department

Autonomous Vehicle Incident

08/01/2023

From: [REDACTED] T03

To: Deputy Chief of Operations

Reference:

Incident Date 08/01/2023
 Time 14:48
 Incident No 08/01/2023 14:47 - 232131789 - 170 OFARRELL ST - 9E2
 Location Polk Street between Geary and O'Farrell
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s)
 Contacted Company? No
 AV Company Response
 Time
 Supervisor ID [REDACTED]

Impact (Description of Event)

1. While enroute to 170 O'Farrell for a medical call an unmanned Cruise vehicle stopped in the center of Polk Street going southbound. There were no vehicles to the right of the Cruise vehicle. There was plenty of room to move out of the way, but it just stopped.
2. This forced Truck 3 to either pass on the right side or against oncoming traffic on the left side.
3. I did not obtain any other information because we were enroute to a Code 3 Medical call.

Workflow	From		To	
08/01/2023	[REDACTED]	Forwarded	B04	
08/02/2023	[REDACTED]	Acknowledged	D2	Contents noted
08/02/2023	[REDACTED]	Contents Noted	CD2	
08/02/2023	[REDACTED]	Workflow End		

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San Francisco Fire Department

Autonomous Vehicle Incident

08/03/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 08/03/2023
 Time 2122
 Incident No 08/03/2023 21:19 - 232153399 - 233 PARKER AV - BOX
 Location Parker and Anza intersection
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s) 35984R3
 Contacted Company? No
 AV Company Response Time
 Supervisor ID

Impact (Description of Event)

While E21 was backing down to the 1st in engine a Cruise vehicle was stopped in the crosswalk and was in our way resulting in a delay. There was no damage to any property. There weren't any passengers. The Cruise Vehicle never cleared the crosswalk for us.

Workflow	From		To	
08/03/2023	[REDACTED]	Forwarded	B05	
08/04/2023	[REDACTED] M	Acknowledged	D2	Contents Noted
08/04/2023	[REDACTED]	Contents Noted	CD2	
08/04/2023	L [REDACTED], D	Workflow End		



San Francisco Fire Department

Autonomous Vehicle Incident

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08/05/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 08/05/2023
 Time 1106
 Incident No 08/05/2023 11:06 - 232171029 - 100 34TH AV - 71B1
 Location Legion of Honor
 AV Company Waymo
 Number of AVs Involved 1
 Licence Plate(s) UNK
 Contacted Company? Yes
 AV Company Response Time 25 mins
 Supervisor ID [REDACTED]

Impact (Description of Event)

1. E14/T14 responded to a car fire at Legion of Honor. Firefighting efforts were conducted using force entry tools and stretching a 150' ready line.
2. During fire operations, a Waymo car turned southbound on 34th Ave entering the fire operations scene and stopped moving. This action impacted our suppression efforts negatively due to members having to walk around the Waymo with a charged hose line and fight active fire. The car was positioned between the car on fire and the fire engine.
3. Law enforcement was requested to assist with traffic control.
4. T14 members entered the Waymo and placed it in manual mode and moved it to a safe location.
5. Waymo staff arrived and reprogrammed the Waymo and both cars left the scene.

Workflow	From		To	
08/05/2023	[REDACTED]	Forwarded	B07	
08/05/2023	[REDACTED]	Contents Noted	D2	Contents noted
08/05/2023	[REDACTED]	Contents Noted	CD2	
08/06/2023	[REDACTED]	Workflow End		



San Francisco Fire Department

Autonomous Vehicle Incident

56

08/06/2023

From: [REDACTED]
 To: Deputy Chief of Operations
 Reference: Rules and Regulations, section 1128

Incident Date 08/06/2023
 Time 03:59
 Incident No
 Location Cesar Chavez/Kansas
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s) 452572
 Contacted Company? No
 AV Company Response none
 Time
 Supervisor ID [REDACTED]

Impact (Description of Event)

- E09 responded to Incident #23104117 at approximately 0359 hours, an MVA involving an SFPD officer.
- E09 blocked 1 east bound lane of Cesar Chavez traffic with the apparatus to protect the scene and members rendering *care*.
- SFPD created a traffic block on the west bound lanes of Cesar Chavez and North bound lanes of Kansas
- While rendering aide to both the SFPD officer and driver of the second car, an AV vehicle attempted to drive through the scene.
- The AVE Vehicle was identified by the SFPD conducting traffic control on Cesar Chavez as Cruise license plate# 452572, side badging "Tap Dance"
- The SFPD officer attempted to make contact with the AV company and after an attempt the resolution was for the SPFD officer turn off all warning lights to move the squad car that was protecting the incident scene so the AV could reset and adjust for a turn on to Kansas. It is unknown if the SFPD officer was in contact with the AV company at the time of resolution.
- This incident created multiple unsafe conditions 1. AV attempting to enter scene, 2. To resolve issue the Squad car protecting scene and diverting traffic was moved for the AV to rest and 3. Units on scene had to turn off warning lights so the AV could reset.

Workflow	From	To
08/06/2023	[REDACTED]	Forwarded B10
08/06/2023	[REDACTED]	Contents Noted D3
08/06/2023	[REDACTED]	Contents Noted CD2

Forwarding AV Incident report from [REDACTED]



San Francisco Fire Department

Autonomous Vehicle Incident

57

08/06/2023

From: [REDACTED]
To: Deputy Chief of Operations
Reference: Rules and Regulations, section 1128

Incident Date 08/06/2023
Time 03:59
Incident No
Location Cesar Chavez/Kansas
AV Company Cruise

Impact (Description of Event)

- E09 responded to Incident #23104117 at approximately 0359 hours, an MVA involving an SFPD officer.
- E09 blocked 1 east bound lane of Cesar Chavez traffic with the apparatus to protect the scene and members rendering care.
- SFPD created a traffic block on the west bound lanes of Cesar Chavez and North bound lanes of Kansas
- While rendering aid to both the SFPD officer and driver of the second car, an AV vehicle attempted to drive through the scene.
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- The SFPD officer attempted to make contact with the AV company and after an attempt the resolution was for the SFPD officer turn off all warning lights to move the squad car that was protecting the incident scene so the AV could reset and adjust for a turn on to Kansas. It is unknown if the SFPD officer was in contact with the AV company at the time of resolution.
- This incident created multiple unsafe conditions 1. AV attempting to enter scene, 2. To resolve issue the Squad car protecting scene and diverting traffic was moved for the AV to reset and 3. Units on scene had to turn off warning lights so the AV could reset.



San Francisco Fire Department

Autonomous Vehicle Incident

58

08/07/2023

From: [REDACTED] Common, James [REDACTED] B05
To: Deputy Chief of Operations
Reference: Department email from CD2, Postel

Incident Date 08/06/2023
Time 11:29
Incident No
Location 604 Waller St
AV Company Cruise

Impact (Description of Event)

E6, T6, and B5 responded to a building alarm at 604 Waller St, incident # 23104231. B5 and E6 arrived on scene and positioned apparatus. Before T6 arrived on scene autonomous cruise vehicle pulled behind E6 and stopped because of the flashing warning lights. During the course of the building alarm, the vehicle kept reversing backward and then moving forward in the same area. T6 was unable to position its apparatus in the appropriate position. The vehicle finally made its way around E6 before information could be gathered about the vehicle.



San Francisco Fire Department

Autonomous Vehicle Incident

59

08/10/2023

From: [REDACTED] - T12
 To: Deputy Chief of Operations
 Reference: No Reference

Incident Date 08/10/2023
 Time 12:49 pm
 Incident No
 Location Lincoln way between 4th and 3rd Avenues
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s) 15849T3
 Contacted Company? No
 AV Company Response
 Time
 Supervisor ID

Impact (Description of Event)

While proceeding eastbound on Lincoln Way T12 encountered a Cruise vehicle completely stopped in the middle lane of three lanes. T12 was not displaying any Code 3 lights at the time. T12 stopped approximately 15 feet behind the vehicle but in the right lane not knowing what the vehicle would do next. The Cruise vehicle stayed in the middle lane stopped. T12 then slowly proceeded eastbound in the right lane and as we started passing the vehicle on the right side it started moving forward and getting closer to T12. At this point the driver of T12 stopped, thinking that the Cruise vehicle would collide with the truck. The vehicle then slowly proceeded forward then cut directly in front of T12 and drove off.

Workflow	From	To	
08/10/2023	[REDACTED]	Forwarded	B05
08/11/2023	[REDACTED]M	Acknowledged	D2 Contents noted
08/11/2023	[REDACTED]	Contents Noted	CD2
08/11/2023	[REDACTED]D	Workflow End	

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San Francisco Fire Department

Autonomous Vehicle Incident

08/07/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference: Department email from CD2, Postel

Incident Date 08/06/2023

Time 11:29

Incident No

Location 604 Waller St

AV Company Cruise

Number of AVs Involved 1

Licence Plate(s)

Contacted Company?

AV Company Response

Time

Supervisor ID [REDACTED]

Impact (Description of Event)

E6, T6, and B5 responded to a building alarm at 604 Waller St, incident # 23104231. B5 and E6 arrived on scene and positioned apparatus. Before T6 arrived on scene autonomous cruise vehicle pulled behind E6 and stopped because of the flashing warning lights. During the course of the building alarm, the vehicle kept reversing backward and then moving forward in the same area. T6 was unable to position its apparatus in the appropriate position. The vehicle finally made its way around E6 before information could be gathered about the vehicle.

Workflow	From		To	
08/07/2023	[REDACTED]	Forwarded	D2	
08/07/2023	[REDACTED]	Contents Noted	CD2	Incident # added in narrative; unable to edit "Incident No" data field after submitting.
08/08/2023	[REDACTED]	Workflow End		



San Francisco Fire Department

Autonomous Vehicle Incident

61

08/10/2023

From: [REDACTED] T12
 To: Deputy Chief of Operations
 Reference: No Reference

Incident Date: 08/10/2023
 Time: 12:49 pm
 Incident No:
 Location: Lincoln way between 4th and 3rd Avenues
 AV Company: Cruise
 Number of AVs Involved: 1
 Licence Plate(s): 15849T3
 Contacted Company?: No
 AV Company Response Time
 Supervisor ID

Impact (Description of Event)

While proceeding eastbound on Lincoln Way T12 encountered a Cruise vehicle completely stopped in the middle lane of three lanes. T12 was not displaying any Code 3 lights at the time. T12 stopped approximately 15 feet behind the vehicle but in the right lane not knowing what the vehicle would do next. The Cruise vehicle stayed in the middle lane stopped. T12 then slowly proceeded eastbound in the right lane and as we started passing the vehicle on the right side it started moving forward and getting closer to T12. At this point the driver of T12 stopped, thinking that the Cruise vehicle would collide with the truck. The vehicle then slowly proceeded forward then cut directly in front of T12 and drove off.

Workflow	From	To	
08/10/2023	[REDACTED] R	Forwarded	B05
08/11/2023	[REDACTED] M	Acknowledged	D2 Contents noted
08/11/2023	[REDACTED] B	Contents Noted	CD2
08/11/2023	[REDACTED] D	Workflow End	



San Francisco Fire Department

Autonomous Vehicle Incident

62

08/11/2023

From: [REDACTED]
 To: Deputy Chief of Operations
 Reference: No Reference

Incident Date: 08/11/2023
 Time: 10:37 am
 Incident No: 08/11/2023 10:35 - 232231126 - 515 PARNASSUS AV - 52C3O
 Location: Parnassus and Willard
 AV Company: Cruise
 Number of AVs Involved: 1
 Licence Plate(s): unknown
 Contacted Company?: No
 AV Company Response Time
 Supervisor ID

Impact (Description of Event)

While responding to an incident at 515 Parnassus Avenue T12 was proceeding westbound on Parnassus at Willard when we encountered a Cruise vehicle stopped directly in front of us in the middle of the street. Due to the fact that there was a construction zone with cones set up in the opposite direction of travel we were unable to safely go around the vehicle. The driver turned off the Code 3 lights to see if the Cruise vehicle would proceed out of the way but it did not. T12 therefore was forced to drive over the construction cones, causing an undue hazard, to get around the Cruise vehicle and proceed to the incident.

Workflow	From		To	
08/11/2023	[REDACTED]	Forwarded	B05	
08/11/2023	[REDACTED]	Acknowledged	D2	Contents Noted
08/12/2023	[REDACTED]	Contents Noted	CD2	
08/12/2023	[REDACTED]	Workflow End		



San Francisco Fire Department

Autonomous Vehicle Incident

63

08/11/2023

From: [REDACTED]
 To: Deputy Chief of Operations
 Reference: 6/5 Email from [REDACTED]

Incident Date: 08/11/2023
 Time: 16:52
 Incident No: 08/11/2023 16:53 - 232232615 - 3407 24TH ST - 52C4U
 Location: 24th Street near Poplar
 AV Company: Cruise
 Number of AVs Involved: 1
 Licence Plate(s): 75138P3
 Contacted Company?: Yes
 AV Company Response Time
 Supervisor ID: [REDACTED]

Impact (Description of Event)

1. E11, T11 and B6 responded to Incident #23106824, located at 3407-24th Street, a corner building,
2. E11 positioned their apparatus just past the front door of the building on 24th Street, T11 positioned their aerial on Valencia St and B6 parked the buggy across the street in the gas station lot.
3. Unoccupied Cruise vehicle license plate #75138P3 stopped at a 45 degree angle in front of E11 blocking the single opposite lane, preventing access down 24th Street.
4. It took a couple minutes for the driver side window to roll down.
5. After communicating with someone from Cruise, they were able to successfully back the vehicle out of the incident area.
6. Time it took for AV clearance of 24th Street: 5 minutes.
7. Photos from incident attached.

Workflow	From	To
08/11/2023	[REDACTED]	Forwarded D3
08/11/2023	[REDACTED]	Info Only Hoo,E
08/11/2023	[REDACTED]	Returned B06 Chief,

Please complete a UO only for all AV incidents moving forward. CD2 changed this practice last week and is referring to these as the "AV UO." Thank you.



San Francisco Fire Department
Autonomous Vehicle Incident

64

08/13/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 08/13/2023
 Time 0045
 Incident No 08/13/2023 00:35 - 232250084 - 98 WEST PORTAL AV - BOX
 Location Intersection in front of 98 West Portal Av
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s) N/A
 Contacted Company? No
 AV Company Response N/A
 Time
 Supervisor ID

Impact (Description of Event)

As companies were putting away equipment at 98 West Portal Av, an unoccupied Cruise vehicle began to approach our scene from Vicente St and accelerated straight towards Engine 40 and not stopping until it was approximately 5 feet from the pump panel of the engine. This occurred as members of engine 40 were standing next to the engine putting equipment away. The vehicle paused at that position for approximately 30 seconds before it started slowly backing up to where it initially started from.

Workflow	From	To
08/13/2023	[REDACTED]	Forwarded E19
08/13/2023	[REDACTED]	Acknowledged B09



San Francisco Fire Department

Unusual Occurrence

65

08/14/2023

From: [REDACTED]
 To: Chief of Department
 Reference: Rules and Regulations, Section 1128

1. On August 14, 2023 at 1836 hours, T03 responded to Incident # 23108330, a residential building alarm box.
2. While on the scene, a GM Cruise, driverless car pulled within 10 feet of the rear of the apparatus.
3. The location of the driverless car prohibited the crew of T03 from being able to remove the ladders from the rear of the apparatus.
4. Had this been a working fire, the safety of the public and the members of the San Francisco Fire Department would have been greatly impacted.

Workflow	From		To	
08/14/2023	[REDACTED]	Forwarded	B04	
08/15/2023	C [REDACTED] F	Contents Noted	D2	Contents noted
08/15/2023	T [REDACTED]	Contents Noted	CD2	I can not send this down the Autonomous car path through HRMS to my knowledge. I have reminded the members that the other drop down exists.
08/16/2023	[REDACTED]	Workflow End		



San Francisco Fire Department

Autonomous Vehicle Incident

66

08/15/2023

From: [REDACTED]
 To: Deputy Chief of Operations
 Reference: June 5, 2023, Email Received from AC Patrick J. Rabbitt

Incident Date 08/15/2023
 Time 13:13
 Incident No 08/15/2023 13:10 - 232271540 - 3770 24TH ST - BOX
 Location 3770 24th St.
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s) 15850T3
 Contacted Company? No
 AV Company Response N/A
 Time
 Supervisor ID

Impact (Description of Event)

1. On Tuesday, August 15, 2023, E11, E07, E06, T11, T07, B06, D3, RS2, M83 responded to Box 5523, 3770 24th St., at 13:09 hours.
2. E11 placed their apparatus just beyond the property line of 34470 24th St. T11 placed their apparatus in front of the reported address.
3. An unoccupied Cruise vehicle with license plate #15850T3 stopped approximately 6 feet behind T11 which did not allow the crew members to deploy their ground ladders.
4. Incident involved an overheated dryer on the second floor.
5. If this incident was a working fire, the members of T11 would have coordinated with T07 and deployed their ground ladders based on the conditions of the incident.
6. Time it took for the Autonomous Cruise Vehicle to clear the incident: 6 minutes.
7. No physical contact between the AV and Department or City property.
8. Photos from incident attached.

Workflow	From	To
08/15/2023	[REDACTED]	Forwarded D3
08/15/2023	[REDACTED]	Contents Noted CD2

Division 3 arrived on scene on immediately noticed that the driverless Cruise vehicle obstructed the ability of the T11 Firefighters to have any access to their ladder bed. B06 was instructed to write this incident up and immediately report it to CD2.



San Francisco Fire Department

Autonomous Vehicle Incident

67

08/15/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 08/14/2023
 Time 2250
 Incident No 08/14/2023 22:45 - 232263401 - 7TH ST/HARRISON ST - 29D2M
 Location 7th street/Harrison
 AV Company Cruise
 Number of AVs Involved 2
 Licence Plate(s)
 Contacted Company?
 AV Company Response
 Time
 Supervisor ID

Impact (Description of Event)

1. On 08/14/2023 while assigned to Medic87, I responded to Incident FD23108420, for an auto vs pedestrian. 2. Upon arrival on scene, SFPD and SFFD E01 were providing patient care to a critically injured patient in the street. The pt was GCS 3 with significant left lower extremity injuries requiring application of a tourniquet to control bleeding. 3. When we arrived at scene, the only open lanes for egress from the call were blocked by (2) Cruise vehicles that had stopped and were not moving or leaving the scene. 4. The pt was packaged for transport with life threatening injuries, but we were unable to leave the scene initially due to the Cruise vehicles not moving. This delay, no matter how minimal, contributed to a poor pt outcome. In any significant traumatic event, time is of the essence to transport the pt to definitive care in order to give them the best possible chance at survival. This pt was unfortunately pronounced deceased in the ED approximately 20-30 minutes after arrival. 5. The fact that Cruise autonomous vehicles continue to block ingress and egress to critical 911 calls is unacceptable.

Workflow	From	To
08/15/2023	[REDACTED]	Forwarded RC49
08/15/2023	[REDACTED]	Acknowledged EMS2
08/15/2023	[REDACTED]	Contents Noted EMS1
08/16/2023	[REDACTED]	Contents Noted [REDACTED]
08/16/2023	[REDACTED]	Acknowledged CD2
08/16/2023	[REDACTED]	Info Only CD1

EMS1 working on getting additional information re: amount of time cars were stopped and how long our unit was delayed.



San Francisco Fire Department
Autonomous Vehicle Incident

68

08/16/2023

From: [REDACTED]
 To: Deputy Chief of Operations
 Reference: E-mail from CD2 on June 5, 2023

Incident Date 08/16/2023
 Time 13:50
 Incident No 08/16/2023 13:44 - 232281798 - 3327 26TH ST - BOX
 Location ICP on 26th Street
 AV Company Cruise
 Number of AVs Involved 2
 Licence Plate(s) 25327S3
 Contacted Company? No
 AV Company Response
 Time
 Supervisor ID [REDACTED]

Impact (Description of Event)

While determining the extent of an exterior fire under wooden stairs at 3327 26th Street, I noticed a vehicle proceed in the Eastbound direction through the intersection of of Capp Street and 26th Street. At this time, fire apparatus were operating on the fireground in that specific intersection (Engine 11 was on the South side of the intersection and Engine 09 was on the North side of the intersection of Capp and 26th Streets). At this incident, Engine 09 was the primary supply engine for Engine 40. A 3" supply line was dropped by Engine 09 and led to the LPH on the NW corner of Capp and 26th Street. Companies were in the process of loading the 3" hose back on Engine 09 when this occurred. Engine 40 was in the Eastbound lane of 26th Street with its 200' 1 3/4" ready line deployed and charged. Truck 11 was in the Westbound lane of 26th Street facing East. Truck 07 was in the Westbound lane of 26th Street facing West.

I approached the lead AV in hopes for it to stall. The AV's flashers initiated, then the AV began to attempt a 3-point turn back to the intersection of Capp Street and 26th Street. The AV vehicle then stalled perpendicular to 26th Street. The AV remained for the duration of the incident. I was unable to determine what actions the second AV vehicle took, but it is visible in the attached photos in the Eastbound lane with flashers on and stalled at the intersection of Capp Street and 26th Street. I did not get the license plate number for the second AV but noted it was a Cruise model. I noted no passengers or drivers in either vehicle.

Workflow	From	To
08/16/2023	[REDACTED]	Forwarded CD2



San Francisco Fire Department
Autonomous Vehicle Incident

69

08/15/2023

From: [REDACTED]
 To: Deputy Chief of Operations
 Reference: U.O. 1128

Incident Date 08/15/2023
 Time 01:16
 Incident No 08/15/2023 01:18 - 232270104 - 892 GREEN ST - BOX
 Location Green/Taylor
 AV Company Waymo
 Number of AVs Involved 1
 Licence Plate(s)
 Contacted Company? No
 AV Company Response
 Time
 Supervisor ID

Impact (Description of Event)

1. Responding to FIB 1 Waymo car pinned in between T02 and T13 on the corner of Green and Taylor.
2. Waymo car blocked access for responding units to get around.
3. B01 on scene and saw the obstacle for responding units.
4. B01 took photos of the car with no clear picture of reading license plate number.

Workflow	From		To	
08/15/2023	[REDACTED]	Forwarded	B01	
08/15/2023	[REDACTED]	Contents Noted	D2	Contents Noted
08/16/2023	[REDACTED]	Returned	B01	Please attach any photos of Autonomous Vehicle.
08/17/2023	[REDACTED]	Contents Noted	D2	2 pictures added per request.
08/18/2023	[REDACTED]	Contents Noted	CD2	



San Francisco Fire Department

Autonomous Vehicle Incident

70

08/16/2023

From: [REDACTED] 501
 To: Deputy Chief of Operations
 Reference: Email from CD2 dated June 5, 2023

Incident Date 08/16/2023
 Time 18:10
 Incident No 08/16/2023 18:06 - 232282795 - 775 80 EB BAY BR Z SF, YB - 29D6
 Location 2nd/Bryant
 AV Company Waymo
 Number of AVs Involved 1
 Licence Plate(s) 53596F3
 Contacted Company? No
 AV Company Response Time
 Supervisor ID [REDACTED]

Impact (Description of Event)

At approximately 18:10 while heading to an MVA on the bay Bridge, RS1 encountered heavy traffic at the intersection of 2nd/Bryant. We were in the number 2 lane approaching 2nd street when an autonomous "waymo" vehicle stopped in front of us. The vehicle then froze leaving us with only room to pass on the right. As we attempted to pass the stalled vehicle at their right rear area, a civilian SUV approached from our right blind spot area and stopped just shy to the rear of the front tire. I told my driver to stop but it was too late. The civilian car and us struck each other causing damage to the fender and bumper of the civilian car and ZERO to the squad.

A MTA officer was on scene and saw the incident unfold. We cleared the intersection and pulled over to the right. I exited RS1 and directed the civilian car to do the same. At this time the "Waymo" vehicle turned up 2nd street heading to Harrison. There were NO passengers in the waymo vehicle.

An accident report has been filled out. B03 and D03 were O.H.

Workflow	From	To	
08/16/2023	[REDACTED]	Forwarded	B02
08/17/2023	[REDACTED]	Contents Noted	D3 please ensure [REDACTED] receives
08/17/2023	[REDACTED]	Contents Noted	CD2 Forwarding AV UO from RS1.
08/17/2023	[REDACTED]	Workflow End	



San Francisco Fire Department

Autonomous Vehicle Incident

71

08/17/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 08/17/2023
 Time 12:12
 Incident No
 Location Fulton/26th Ave
 AV Company Cruise
 Number of AVs Involved 2
 Licence Plate(s) 83016R3, Unknown 2nd Plate

Contacted Company?

AV Company Response

Time

Supervisor ID

Impact (Description of Event)

1. On 8/17/23 at 1212 Hours E14 responded to an MVA (Incident # 23109651) involving a Scooter and a BMW SUV at the intersection of Fulton and 26th Ave. PD was on scene upon arrival and E14 secured and blocked the scene in the intersection with the apparatus to maintain scene control and crew safety. Approximately 50 feet back from the intersection a Cruise Automous Vehicle with license plate 83016R3 stopped in the inside lane and ceased any movement. A second Cruise Autonomous Vehicle with an unknown license plate shut down in the outside lane approximately 50 feet behind the 1st Cruise Autonomous Vehicle. This caused much confusion for people operating vehicles in surrounding cars trying to avoid the accident and scene itself and caused Fire Personnel to assist with controlling traffic.
2. There was no physicial contact between AV and City Property and therefor no damage.
3. There didn't appear to be any drivers or passengers in either Cruise AV.
4. There didn't appear to be a drop off or pick up in progress.
5. The cruise vehicles didn't clear the scene for the duration of our incident.
6. Photo attached.

Workflow	From	To	
08/17/2023	[REDACTED]	Forwarded	B07
08/18/2023	[REDACTED]	Contents Noted	D2
08/18/2023	[REDACTED]	Contents Noted	CD2
			More incidents of autonomous vehicles unable to "solve" the situation and so causing issues for traffic and response.
08/22/2023	[REDACTED]	Workflow End	



San Francisco Fire Department

Autonomous Vehicle Incident

72

08/20/2023

From: [REDACTED], ROBERT T T130 - T12
 To: Deputy Chief of Operations
 Reference: No Reference

Incident Date 08/20/2023
 Time 19:12
 Incident No 08/20/2023 19:08 - 232322689 - 1290 12TH AV - 52C3G
 Location 11th Avenue and Judah Street
 AV Company Waymo
 Number of AVs Involved 1
 Licence Plate(s) unknown
 Contacted Company? No
 AV Company Response
 Time
 Supervisor ID

Impact (Description of Event)

Truck 12 was heading Westbound on Judah Street responding with lights and sirens to a building alarm. As we approached 11th Avenue a driverless Waymo vehicle with passengers heading Southbound on 11th Avenue stopped at the stop sign then started to proceed across the intersection directly in front of T12. The vehicle stopped and started 3 times until it finally came to a stop in the middle of the intersection causing the driver of T12 to swerve abruptly left into the oncoming traffic lane to avoid the vehicle and causing an extreme hazard.

Workflow	From	To	
08/20/2023	[REDACTED]	Forwarded	B05
08/20/2023	[REDACTED], J	Contents Noted	D2 Contents noted
08/21/2023	T[REDACTED]	Contents Noted	CD2



San Francisco Fire Department

Autonomous Vehicle Incident

73

08/21/2023

From: ██████████, ROBERT T130 T12
 To: Deputy Chief of Operations
 Reference: No Reference

Incident Date 08/21/2023
 Time 01:10
 Incident No 08/21/2023 01:11 - 232330091 - 1369 9TH AV - 52C4U
 Location 1145 Stanyan Street
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s) unknown
 Contacted Company? No
 AV Company Response
 Time
 Supervisor ID

Impact (Description of Event)

Truck 12 was in quarters and attempting to respond to a building alarm. A Cruise vehicle was stopped directly in front of quarters preventing T12 from leaving. T12 had to turn off all lights and eventually the vehicle drove off allowing T12 to respond after a significant delay.

Workflow	From	To	
08/21/2023	████████, R	Forwarded	B05
08/21/2023	████████, N	Contents Noted	D2 Contents noted.
08/21/2023	████████, M	Contents Noted	CD2
08/22/2023	████████, D	Workflow End	



San Francisco Fire Department

Autonomous Vehicle Incident

74

08/21/2023

From: [REDACTED]

To: Deputy Chief of Operations

Reference:

Incident Date 08/21/2023
 Time 04:20
 Incident No 08/21/2023 04:15 - 232330295 - 2055 SILVER AV - 71B1
 Location Silver AV and Topeka AV
 AV Company Cruise
 Number of AVs Involved 1
 Licence Plate(s) NA
 Contacted Company? No
 AV Company Response :30
 Time
 Supervisor ID

Impact (Description of Event)

1. On 08/21/2023 at 04:15 E42 was dispatched to a vehicle fire at 2055 Silver Av. After extinguishment of the vehicle fire E42 was informed about a second vehicle fire at the S/W corner of Silver Av and Topeka Av by a motorists.
2. E42 responded to the second vehicle fire and founded a vehicle fully involved. Since E42 had used half a tank of water at the first vehicle fire, we secured a LP hydrant located across the street for our supply. E42 deployed a 1 3/4" ready line for extinguishment. All approaching motorist stopped and made U-turns to avoid the scene.
3. E42 notice a vehicle approaching very fast. This vehicle ran over our ready line and stopped short of E42, which had it's emergency lights on. We were fortunate that our ready line was not damaged. Upon approaching the vehicle to see if the driver would move by safely, I noticed that it was an autonomous Cruise vehicle.
4. While we were mopping up, the Cruise vehicle took off and made a right turn on Topeka Av. and stopped about 50' away. The Cruise vehicle blocked Topeka Av. with it's blinkers on, until a Cruise tech showed up to assist with it's removal.
5. The AV Cruise had no passengers.
6. The Av Cruise remained on scene blocking the road for about 45 min.

Workflow	From	To
08/21/2023	[REDACTED]	Forwarded B10
08/22/2023	[REDACTED]	Contents Noted D3