

USACE GoPro Road Camera Setup

Installing GoPro on to Vehicle Mount

(If already mounted, skip to next page)



1. Remove the screw from the mount
2. Open the mount adapter on the bottom of the GoPro camera.
3. Insert the camera mount adapter into the vehicle mount as shown.



Installing GoPro on to Vehicle Mount



4. Slide the camera adapter into the mount until the holes on the adapter and the mount line up.



5. Insert the vehicle mount screw through the vehicle mount and adapter holes and tighten completely with a screwdriver.



NOTE: Line the camera so it is straight up and down. Take notice of the first picture



Installing GoPro App on Phone or Tablet

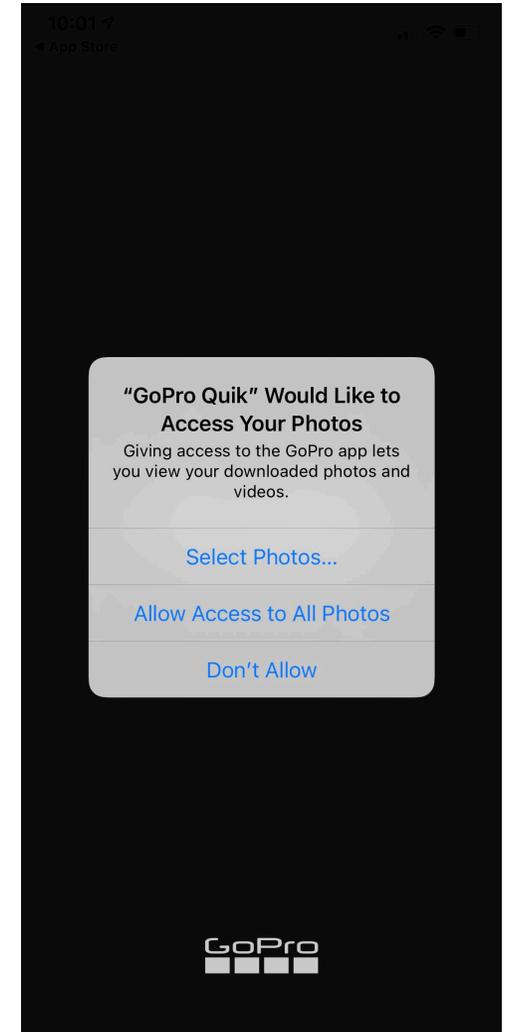


Open App store or Google Play and search for “Quik”. This is the GoPro app. This app works on both government and personal Phones, it also works on tablets. You will need the app unless you want to get out of your vehicle and do it manually on the camera (don’t recommend).

NOTE: You only need an internet connection to download the app. Once installed you can link and operate the camera without an internet connection.

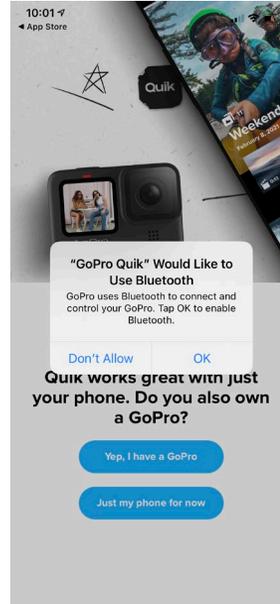


1. Select the app.
2. Select any option. Selecting “Don’t Allow” will allow the app to work just as intended.
3. Select continue as guest at bottom of the screen

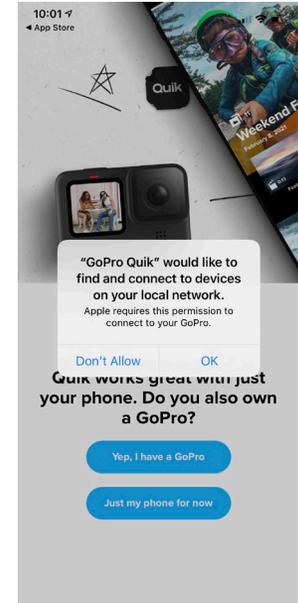




3. Turn the camera with power button on the side of the camera. Battery may need charged.



4. Select "ok" to turn on Bluetooth.



5. Select "Ok" This will allow the phone and gopro to connect to each other.



1. Select "Yep, I have a GoPro"
2. Select "Pair my GoPro" or "Connect a GoPro"



Quik works great with just your phone. Do you also own a GoPro?

Yep, I have a GoPro

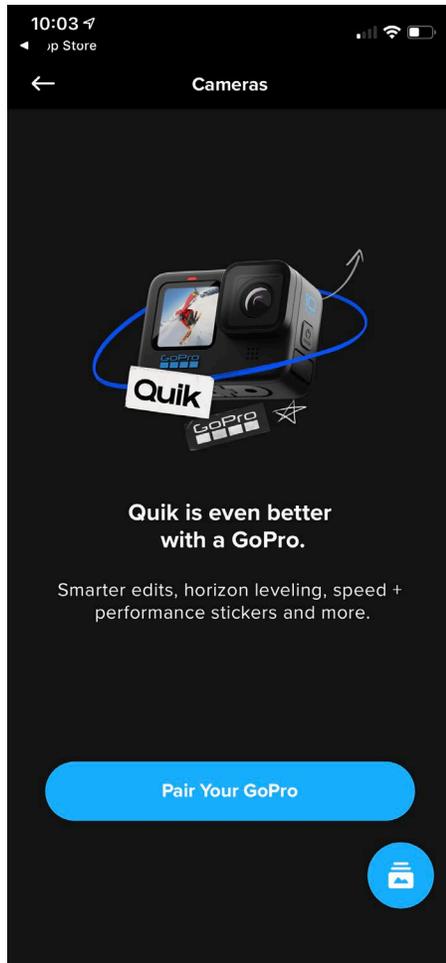
Just my phone for now

Let's pair your GoPro!

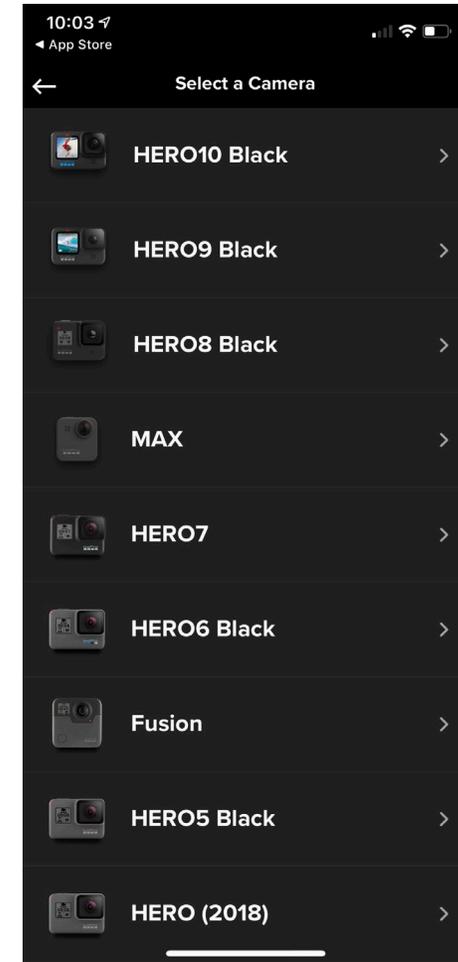
You'll be able to transfer media to your phone, control your GoPro, live stream and backup to the cloud.

Pair my GoPro

Skip for now

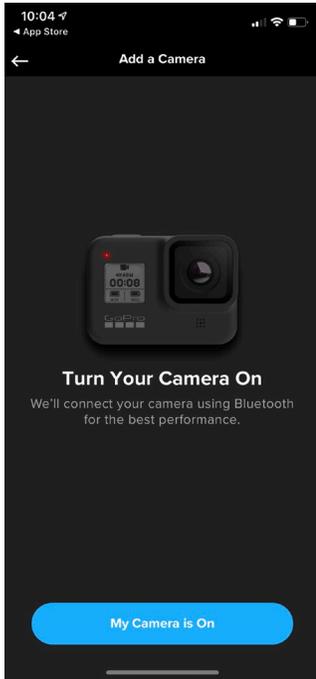


6. Select "My Camera is On."
7. Select "HERO8 Black" or "HERO 10 Black". Depending on Camera series.





8. Turn Camera on using the power button located on the left side of the camera looking at the screen.



9. Select “My Camera is On”
May need to update software if required.



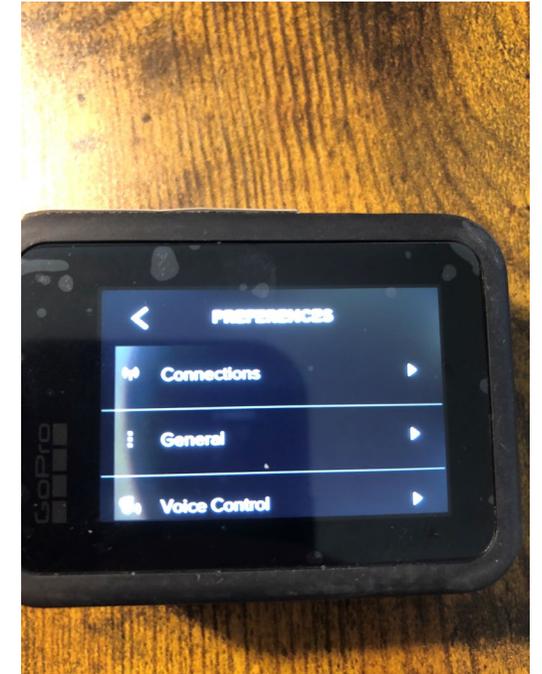
10. Follow the prompts
(also shown in the following photos.)



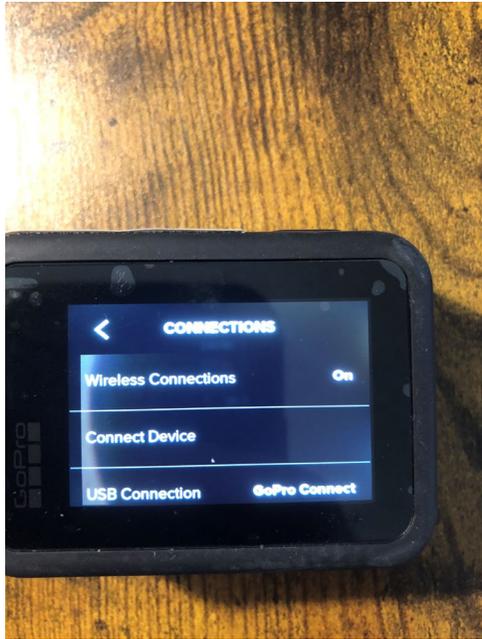
11. Swipe down from the top of the screen.



12. Select "Preferences"
(Skip if not prompted)



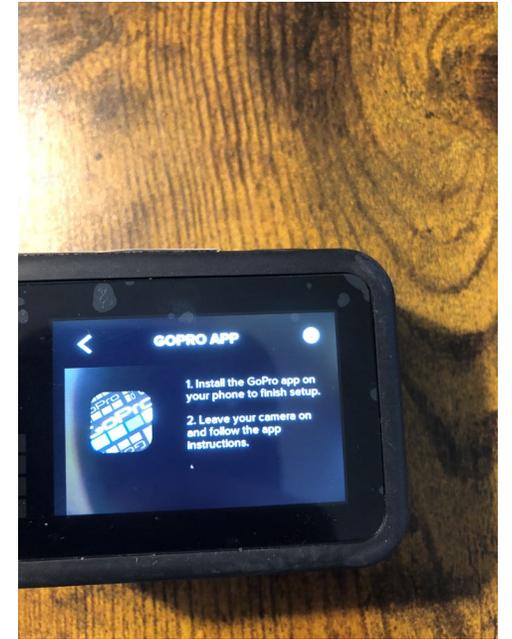
13. Select "Connections"



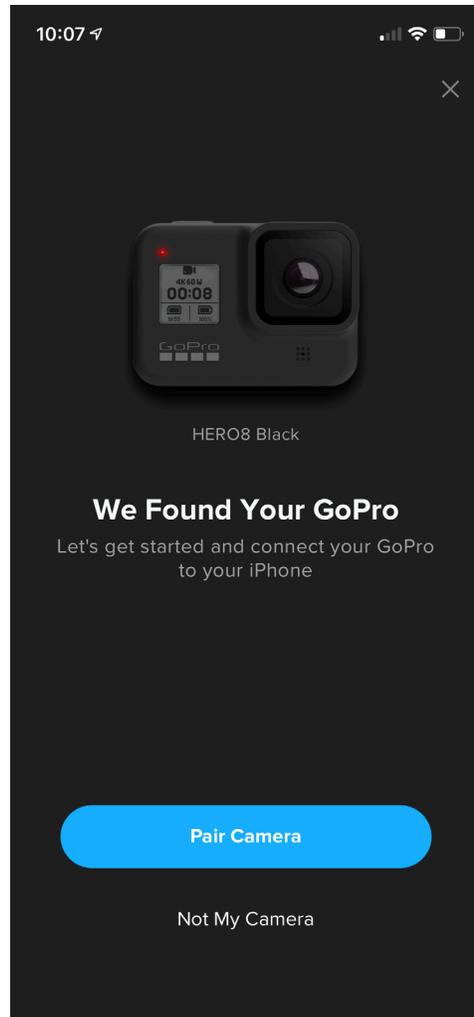
14. Make sure
“Wireless Connections”
show as on. Select
“Connect Device”



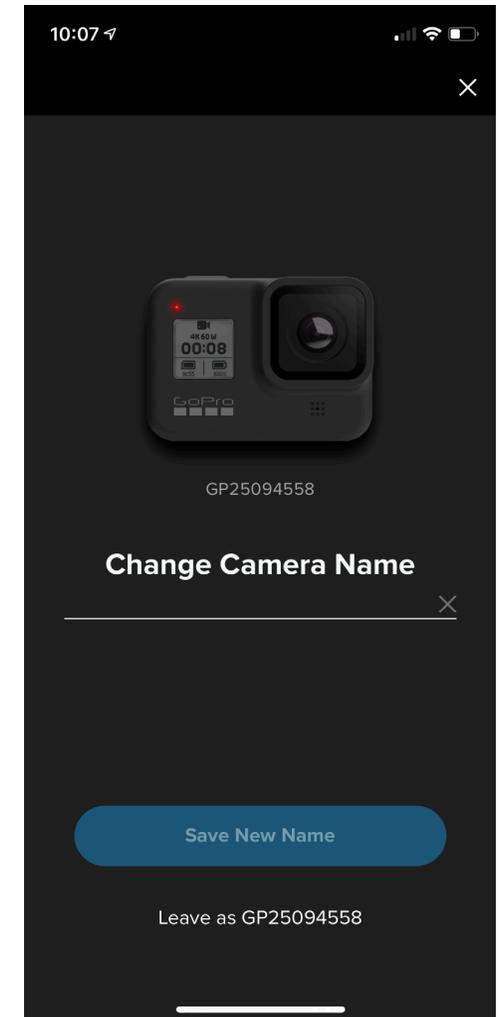
15. Select “GoPro App”.

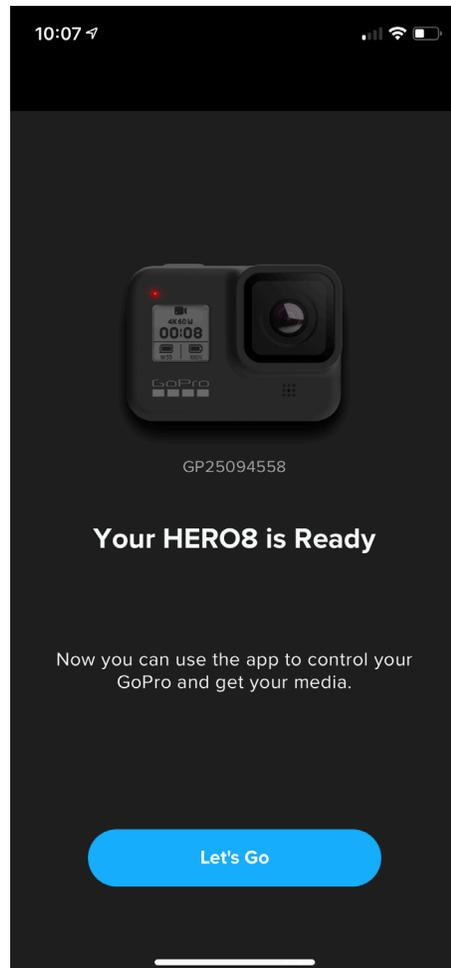


16. Continue following
prompts on the app on
your phone.

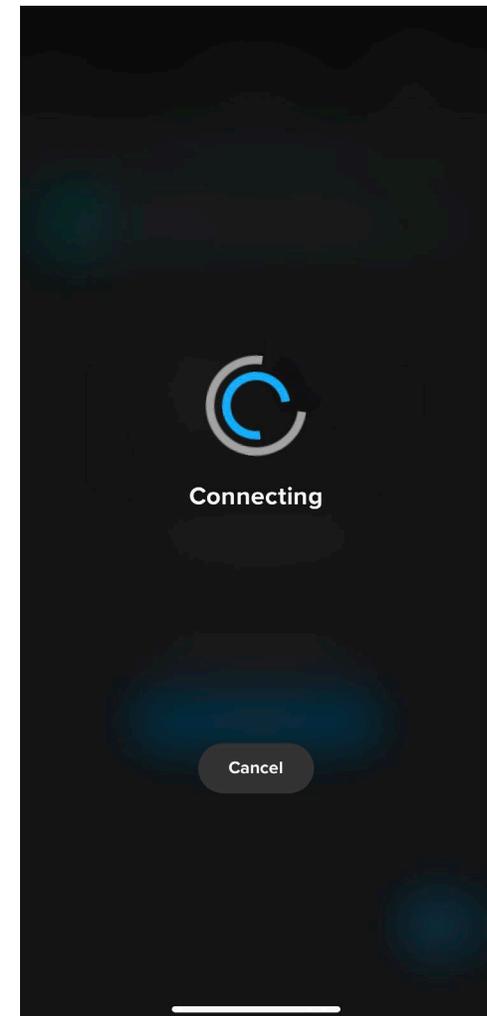


17. Select "Pair".
18. Select "Leave as".





19. Select “Let’s Go”.
20. App and camera will begin connecting.

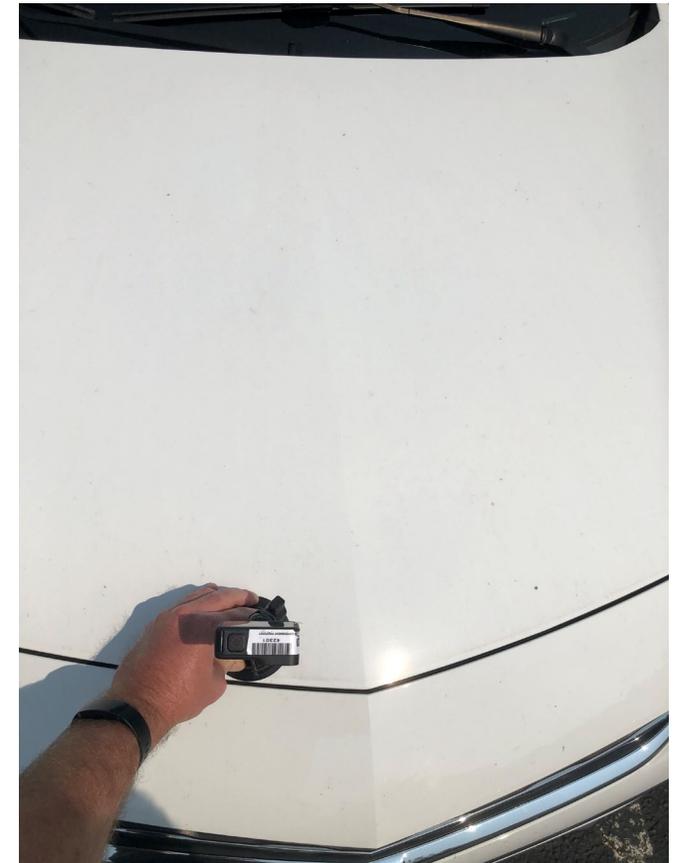


Mounting the GoPro to Your Vehicle



1. When mounting the camera to the car, place on the front of the hood in the center of the hood.
2. Try to get it close to the edge of the hood as possible. This will eliminate amount of hood being captured in the positions.

NOTE: When leaving a park remove the camera from the hood and place it in the vehicle. Do not drive around outside of USACE managed areas with the camera still on the hood.





To attach to the hood, place suction cup flat on the hood surface and turn suction cap bracket to the right to tighten. Once tightened check to make sure it is secured to the hood.

NOTE: If the hood is hot and the cap doesn't want to stick pour a small amount of water onto the hood and then try placing the suction cup on the hood.



Camera Angle / First Photo at Each PSA



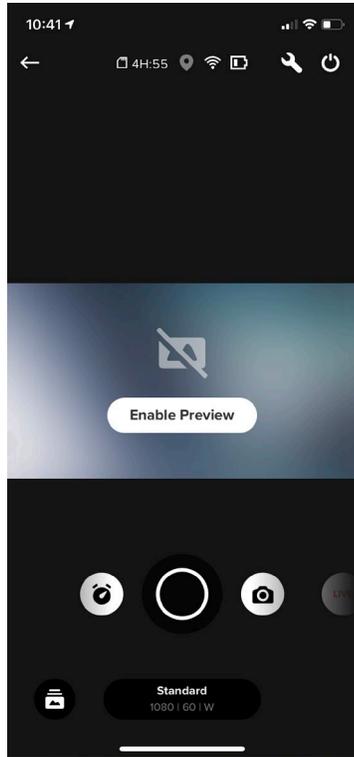
Angle camera as far down as possible without the hood of vehicle in the photo. Capture as much of the pavement and less of the sky as possible.

At the beginning of each PSA or anytime the camera is removed or adjusted, lay out a 10' wide by 12' long tarp 3 feet in front of the vehicle and take the first photo.

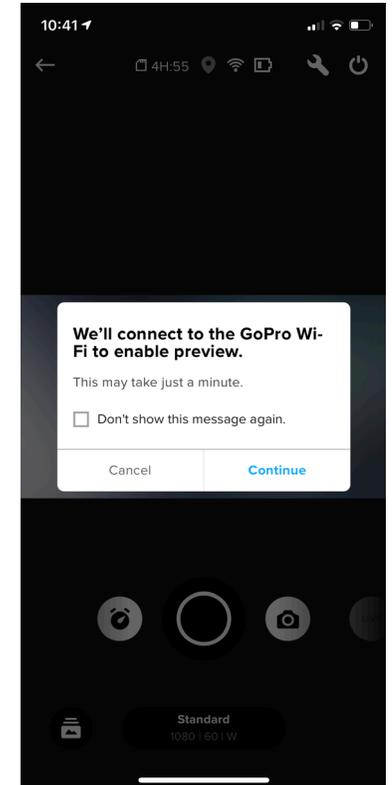
Must be a 10'x12' tarp; other size tarp will not be accepted.

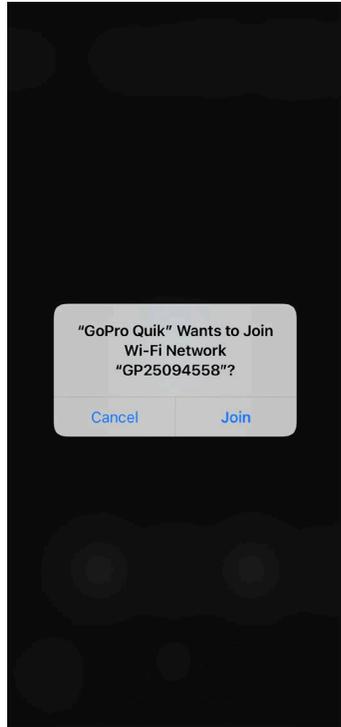
This is critical for accurate contractor measurements.

Operating the GoPro With Your Phone



1. Select "Enable Preview"
2. Select "Continue"



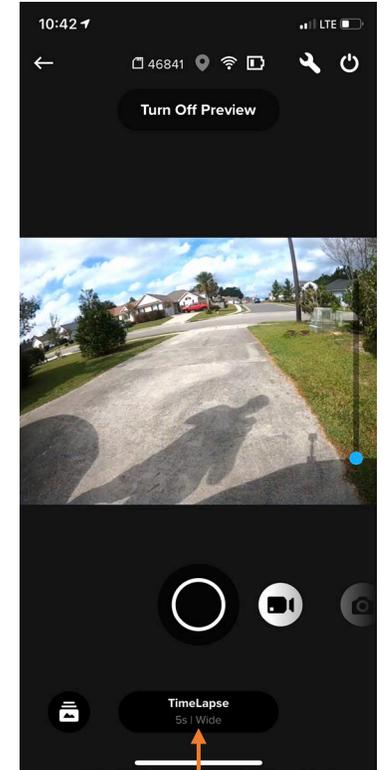


3. Select "Join".

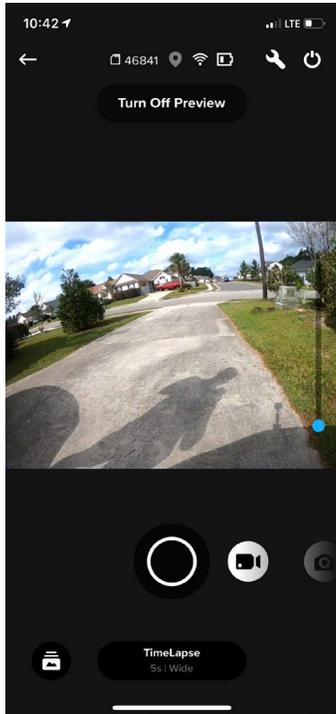
4. Select the Time Lapse icon on the left that looks like a clock. You may need to swipe left or right to see this icon.



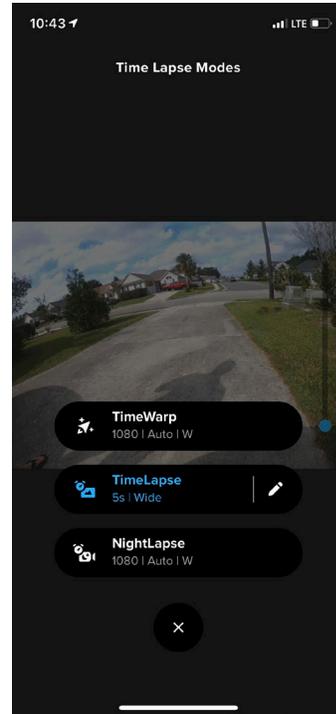
NOTE: Try to keep the amount of hood visible to a minimum.



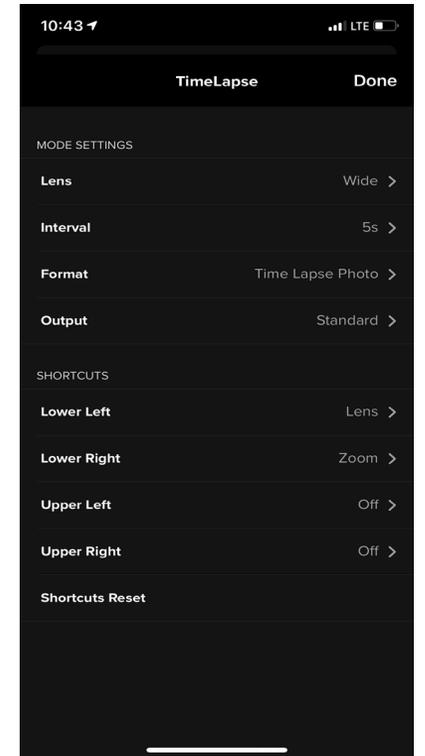
5. Make sure it is says "5s Wide". If it doesn't see step 6. if it does skip to step 9.



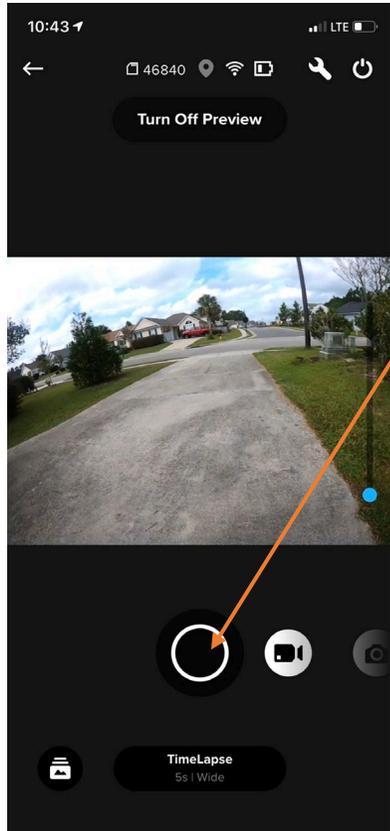
6. Click the word TimeLapse



7. Make sure TimeLapse is in blue text. If not blue, then click it. Then select the pencil icon



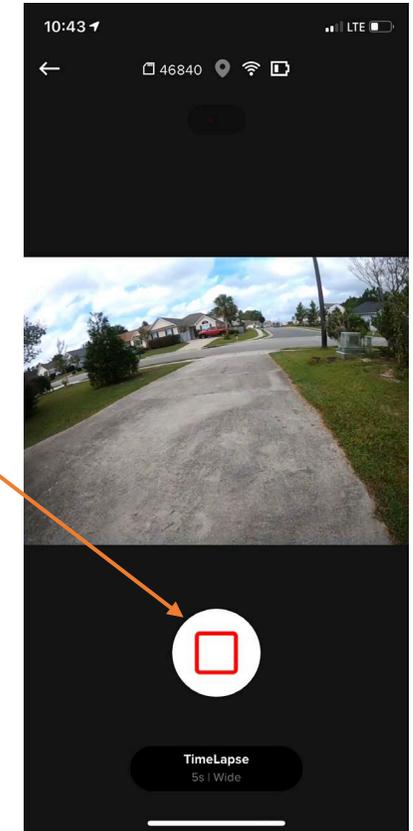
8. Make sure everything here matches. Especially Lens "Wide", and Interval "5s". Then click "Done".



9. To begin recording click the TimeLapse/clock icon. When you click to start recording a segment, LOG the start time shown on your phone. This is how we identify when a segment starts and ends. Once you click start and log the time, you can begin driving. DO NOT EXCEED 15mph.

10. When you reach the end of the segment click the button with the square in it to stop recording. LOG the end time shown on your phone.

NOTE: Keeping a log of when you start and end a segment/parking lot is incredibly important for photo identification later. Very important you do not exceed 15mph otherwise pictures can be too blurry to rate.



PSA Log Sheet Example

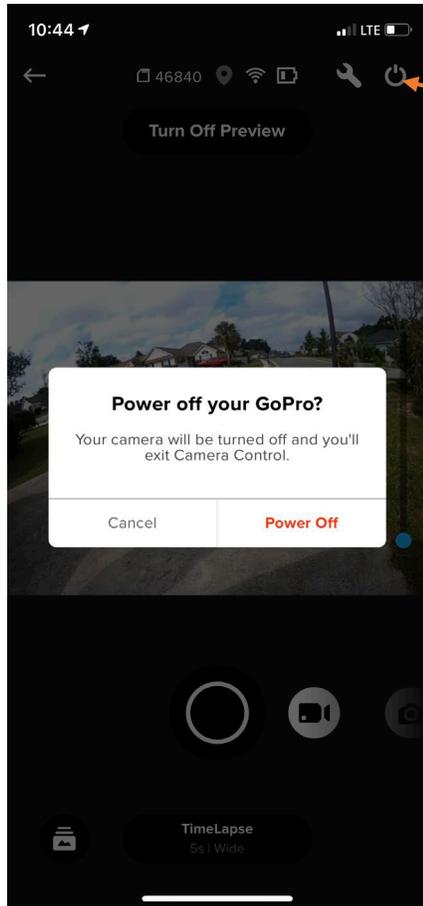
Roads and Parking Lots - GoPro Collection

NORTHWESTERN DIVISION

KANSAS CITY DISTRICT

Harry S Truman LAKE, MISSOURI

PSA NAME	DATE (2024)	START	STOP
Bledsoe Ferry West	10 June	1155	1206
Shawnee Bend	10 June	1207	1225
Bledsoe Ferry East	10 June	1229	1253
Osage Bluff	10 June	1308	1323
Fairfield	10 June	1339	1348
<u>Longshoal</u>	10 June	1428	1527
Berry Bend	13 June	0915	0957
Talley Bend	13 June	1028	1035
Crowes Crossing	13 June	1100	1106
Sac River	13 June	1114	1118
Cooper Creek ATV Area	13 June	1139	1143
<u>Sparrowfoot</u>	13 June	1149	1225
Bucksaw	13 June	1249	1343
Windsor Crossing	13 June	1355	1406
Harry S Truman Visitor Center	14 June	1033	1043
Thibaut Point	14 June	1054	1124



11. Once you finished recording a recreation area, you can select to power off the GoPro.

12. Once the camera is powered off. REMOVE the camera and mount from the hood of the vehicle and store inside the vehicle while traveling to the next recreation area. DO NOT travel down roads outside of USACE managed areas with the camera still mounted onto the hood.

Changing The Battery

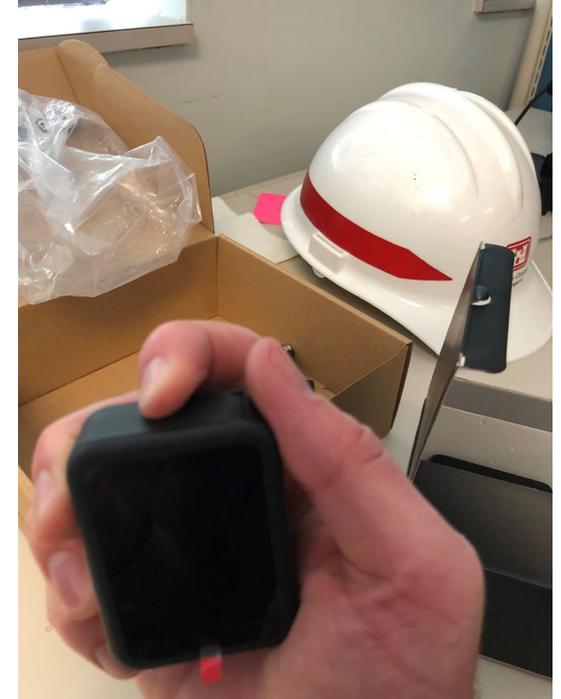
To change the battery.

1. Look at the camera on the opposite side of the power button.
2. Slide the bottom part down until you see red as shown in the photo in the bottom left.
2. Lift the hatch to expose the battery





1. Pull the battery up by the tab sticking up.
2. Replace the battery in the orientation shown in the bottom left photo.
3. Close the latch.
4. Make sure to push the bottom part of the latch back in covering the red up. Make sure the latch is secured.



Operating the Camera

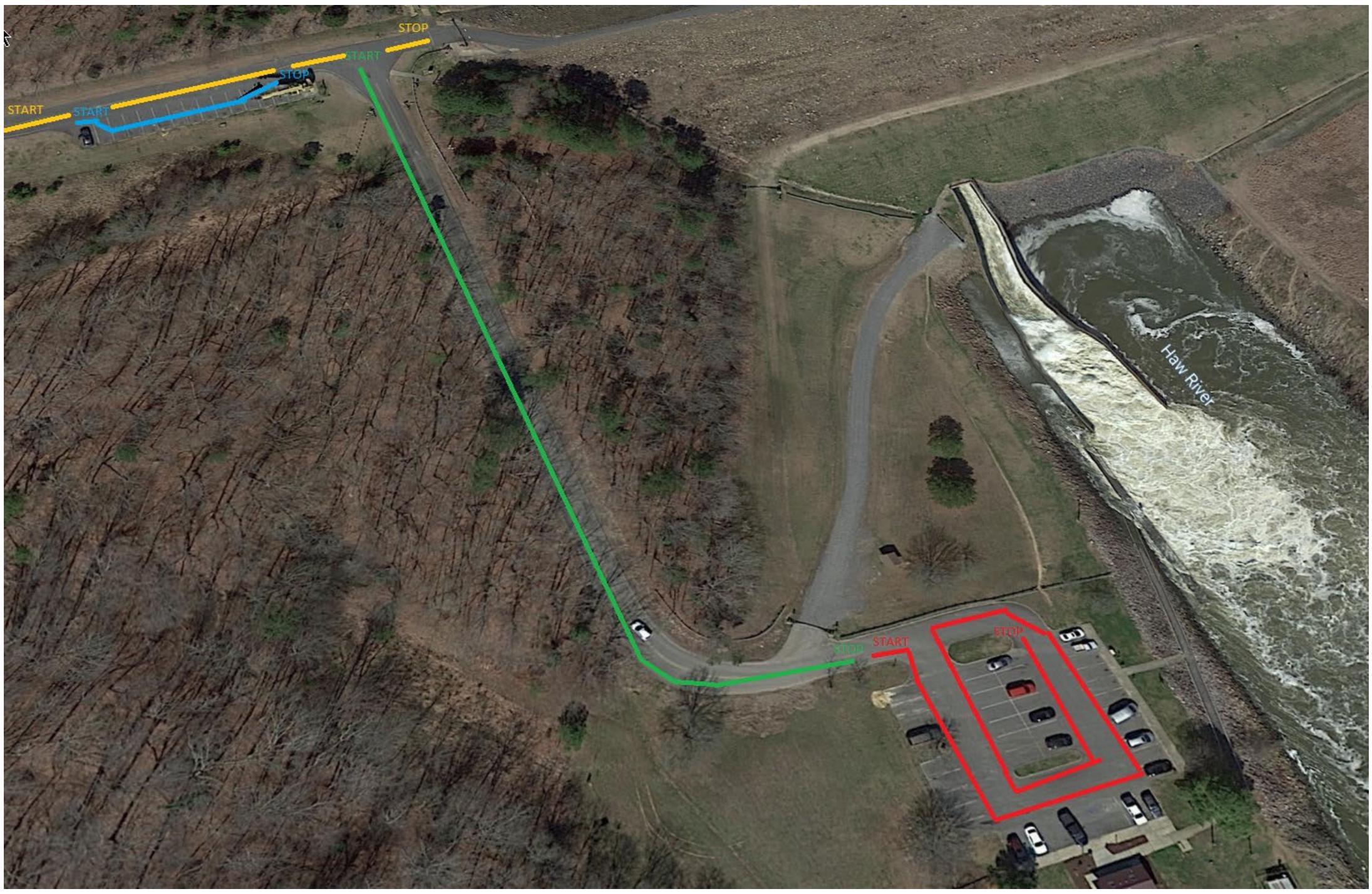


Each color in the photo represents a different segment or parking lot, and how they should be captured using the GoPro.

Remember to write down the time of the first and last photos taken in a PSA. Use the time on your phone or tablet that is operating the camera. This will ensure your log matches the time stamp on the photos.

Parking lots do not need to be cleared. Cover as much of the area with the camera as possible. Note the red line, as a pattern to follow. You might have to circle a lot multiple times as shown with the red line. Start with the outside spots, and on the next pass do the inside.

The blue line shows how to do a parking lot that is alongside a road. You do not need to small lots that only have a couple of spaces.



START

START

STOP

START

STOP

Haw River

STOP

START

STOP