Guide on Annotating Guardrails

In this task, we are interested in annotating guardrails on highways. Below is a sample image for the same.

Here, our goal is to find normal and damaged guardrails in an image. So, there are two classes: **normal** and **damaged**. Secondly, we will be using **polygons** to annotate guardrails as shown below. More information regarding annotations on CVAT can be found here: https://docs.onepanel.io/CVAT/quick_guide/. You should annotate every part of the guardrail which is visible in the image. You ignore some part which is too far from the camera point and hard to see. If you think it's damaged (moderate or severe), then annotate it as damaged or else normal. Please note that only assign label damaged if you can clearly see the damage and are confident about it.
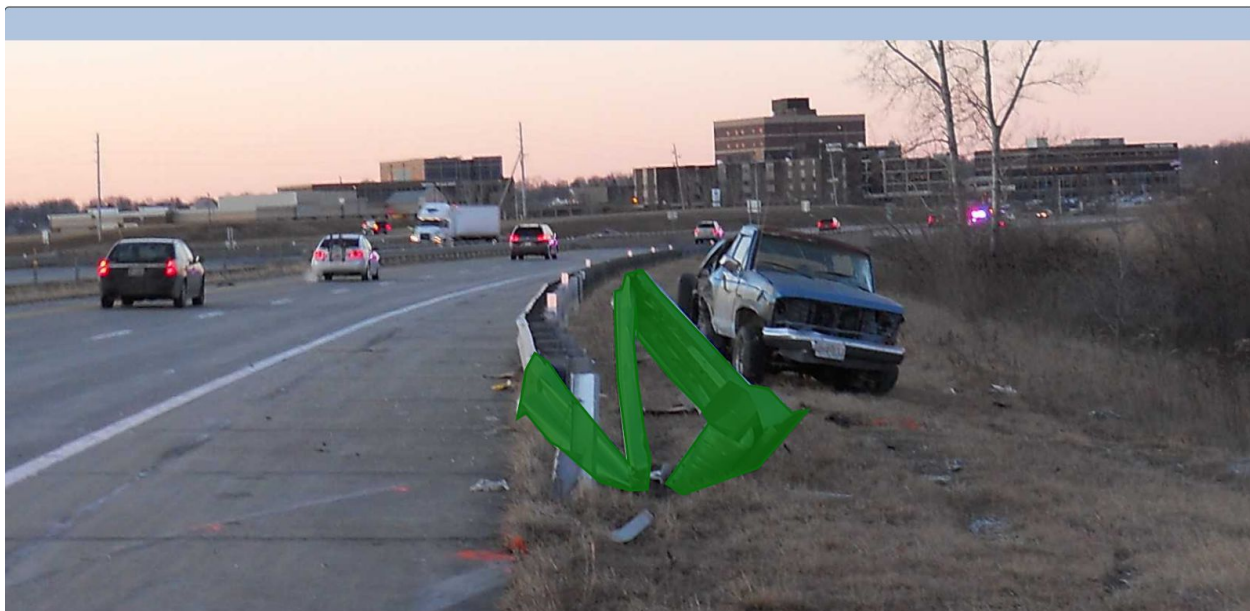
As you can see in the picture above, the middle part of the guardrail is damaged so I labeled it as damaged, but I annotated left and right side of it as normal.

Again, in this case, the initial part is normal but then the guardrail is bended. So label it as damaged. I also annotated some part on the bridge as we can see it. But notice that I didn't annotate guardrail on the left side even though it seems broken. Note that we are not sure if it's the front side or back side.

If you think an image is repeated, then ignore it. If the image shows the back side of the guardrail then ignore it. Only annotate the front side which drivers can see.

Here, the guardrail was damaged in the front. So, I annotated it as damaged but I didn't annotate normal guardrail as I can't see the front side.

You can find the workspace containing these images and some sample annotations here: https://c.onepanel.io/onepanel-demo/projects/cspire/workspaces/guardrail-demo