

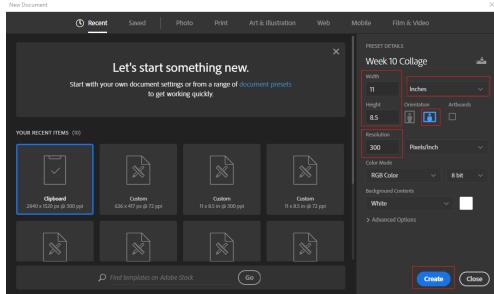
Week 10: Photoshop Collage

Yonghui Chen

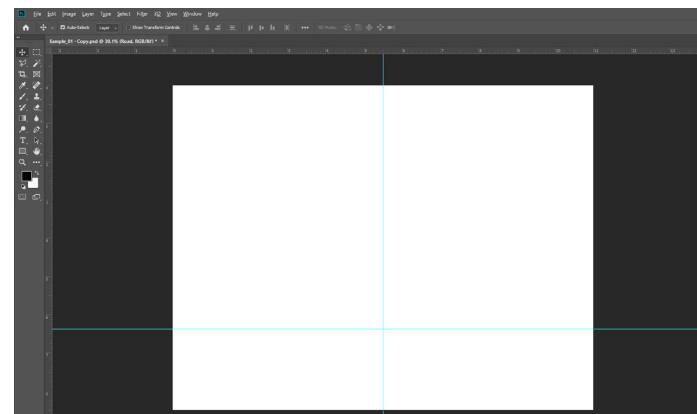
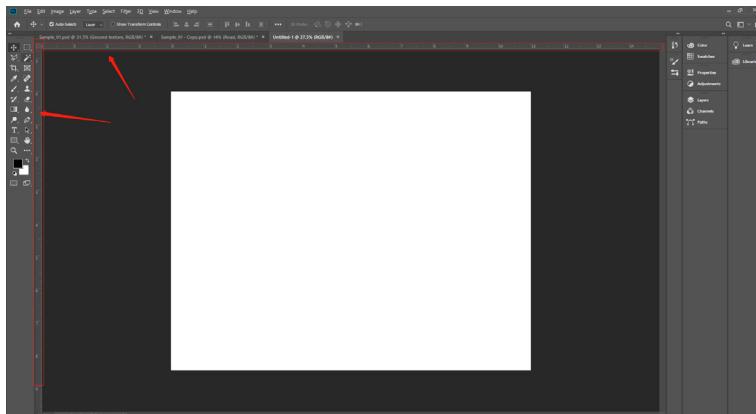
11/8/2019

1. Open Photoshop software.

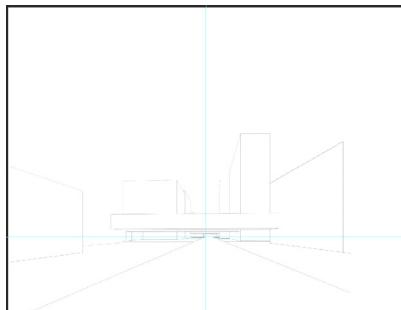
2. Navigate to File -> New, to create a document (11 x 8.5 inches, landscape orientation, 300 resolution), click Create. Press down 'Ctrl + S' to find a location to save the PSD file. In the following process, be sure to save the PSD file timely (just press down 'Ctrl + S') in case that the file collapse unexpectedly.



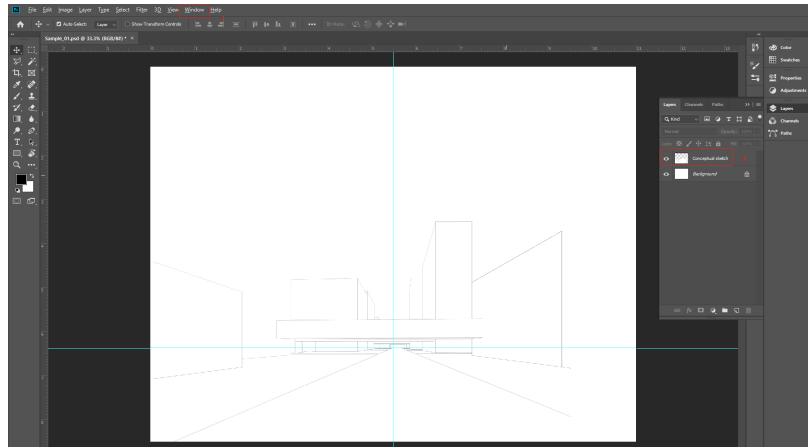
3. Press down 'Ctrl + R' to make sure that the ruler is shown on the artboard. You can see that the size of the drawing is 11 x 8.5 inches. Drag out a horizontal guideline and a vertical guideline from the ruler. The intersection is considered as the vanishing point.



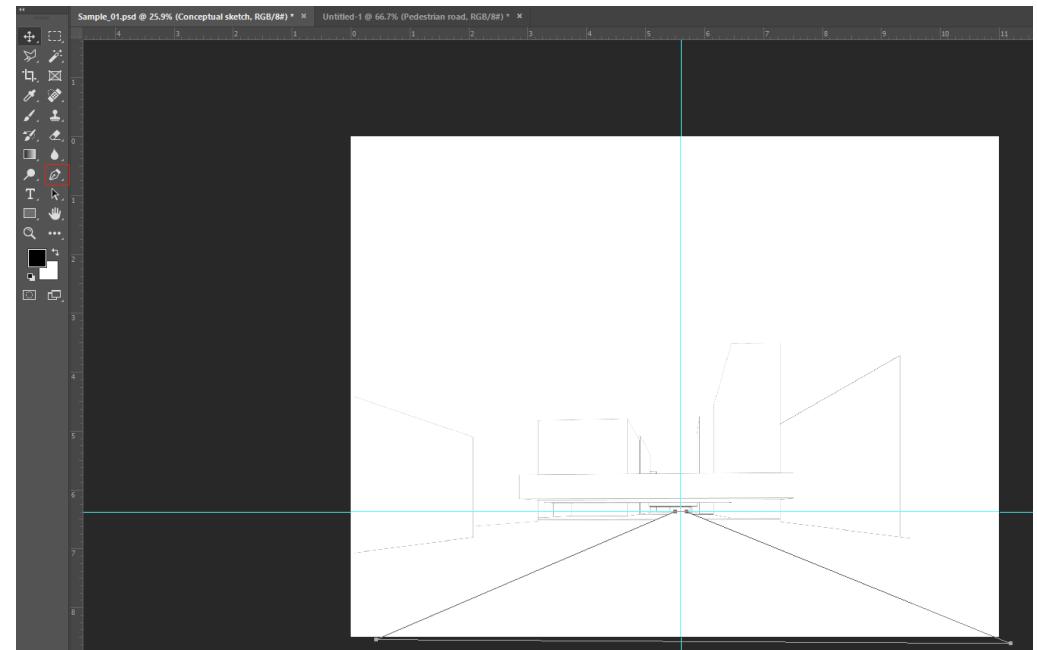
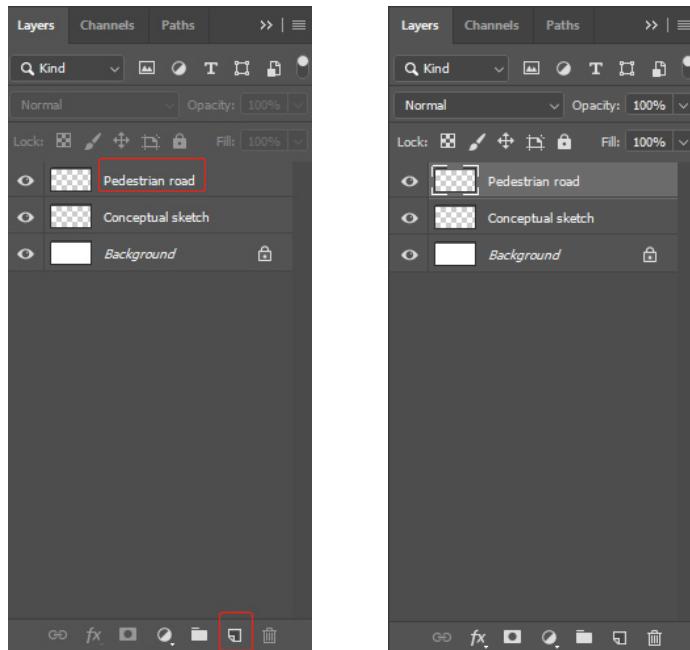
4. Drag your conceptual drawing image (you can scan it or take photo of it) from a folder into Photoshop. Double click the image to finish importing. Here I directly sketch it in Photoshop. Next, click the image and press down 'Ctrl + T' to scale it up or down to a proper size and move it to a proper place in the artboard. Double click to finish the scaling.



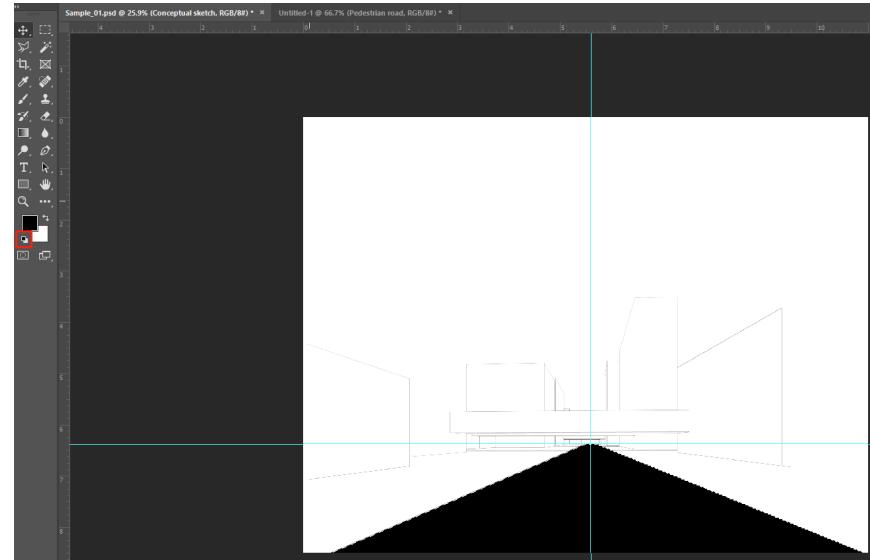
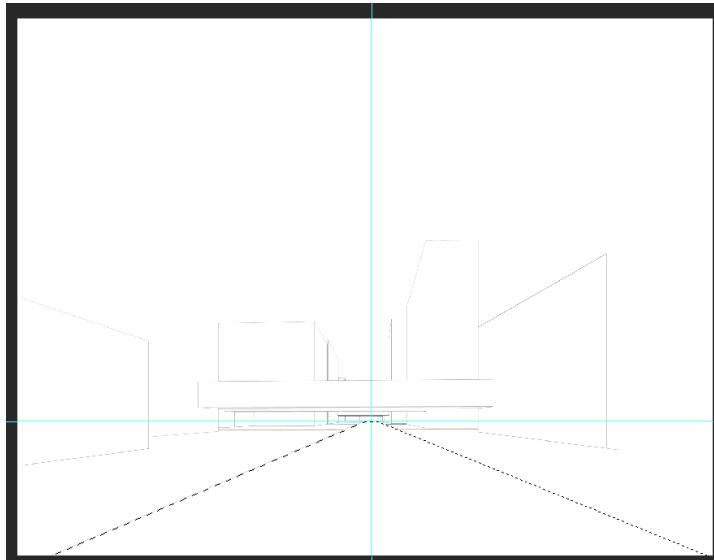
5. Navigate to Window -> Layers. Then double click on the layer name to rename the layer as 'Conceptual sketch.'



6. Create a layer called 'Pedestrian road.' Second, click on the layer to make it highlighted. Third, use Pen tool to trace out the pedestrian road area.



7. Press down 'Ctrl + Enter' to create a selection area. Then click on the little button on the left to make sure that foreground color is black. Next, press down 'Alt + Delete' to fill the selection area with black color.



8. Create a new layer named 'Ground texture' and make sure that this layer is above the 'Pedestrian road' layer.

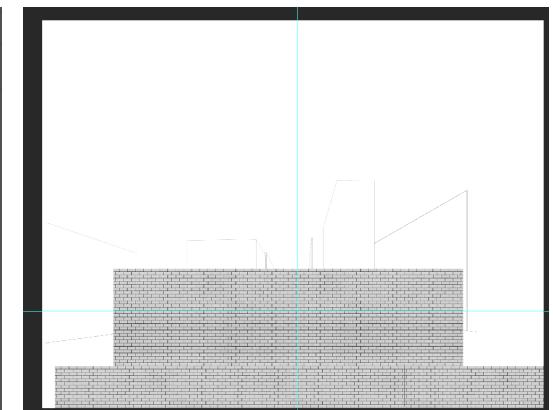
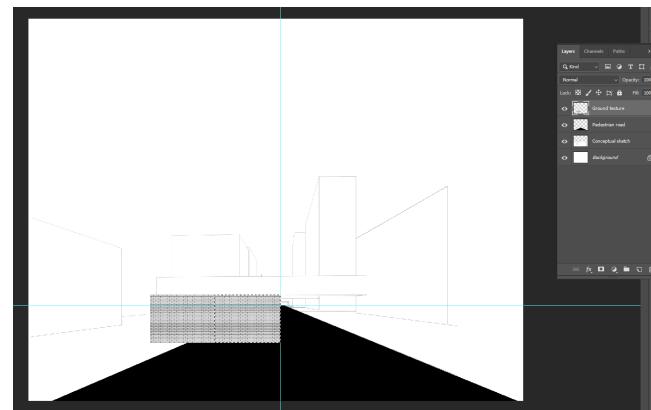
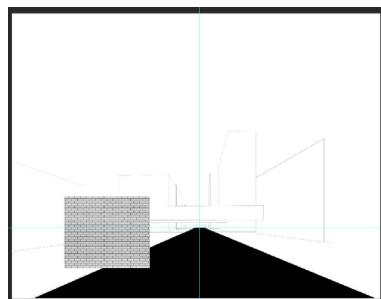
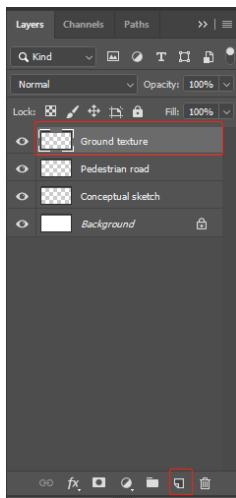
Click on the 'Ground texture' layer to make it highlighted. Then open your Google image browser to find a ground texture image you like.

Copy the image and paste it onto the 'Ground texture' layer in Photoshop (you do not need to download the image).

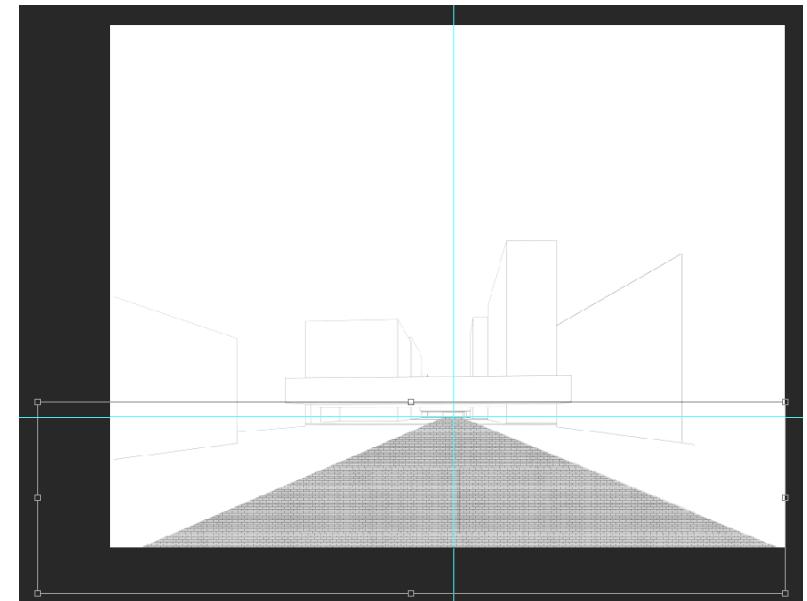
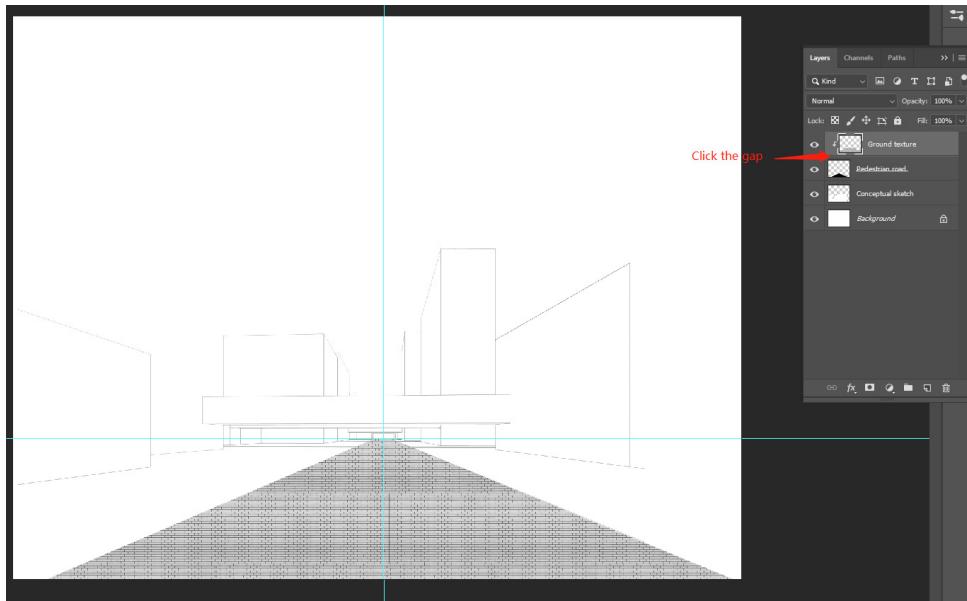
Click on 'Ground texture' layer again to make sure that it is highlighted.

Press down 'Ctrl + A' to select the whole texture image.

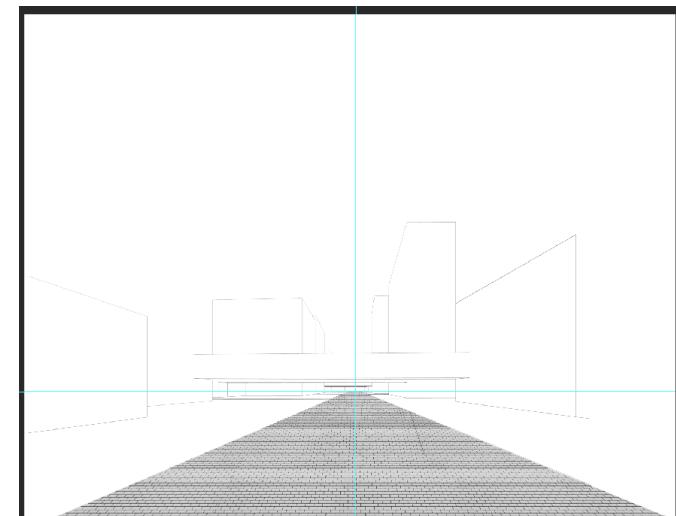
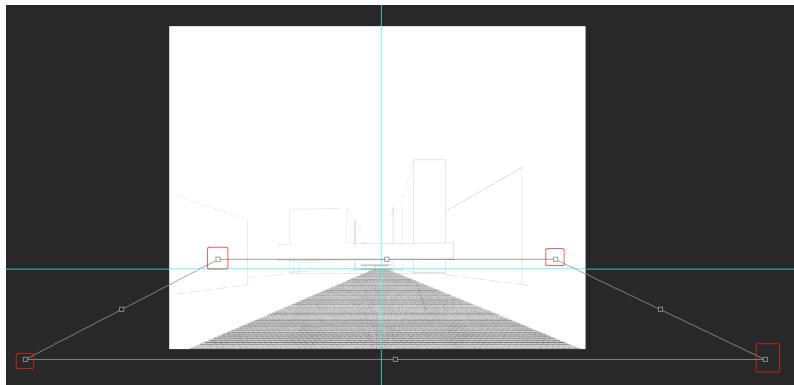
Hold down 'Alt' key while drag the texture image to make some copies. Cover the black area with textures. The result should look like right below.



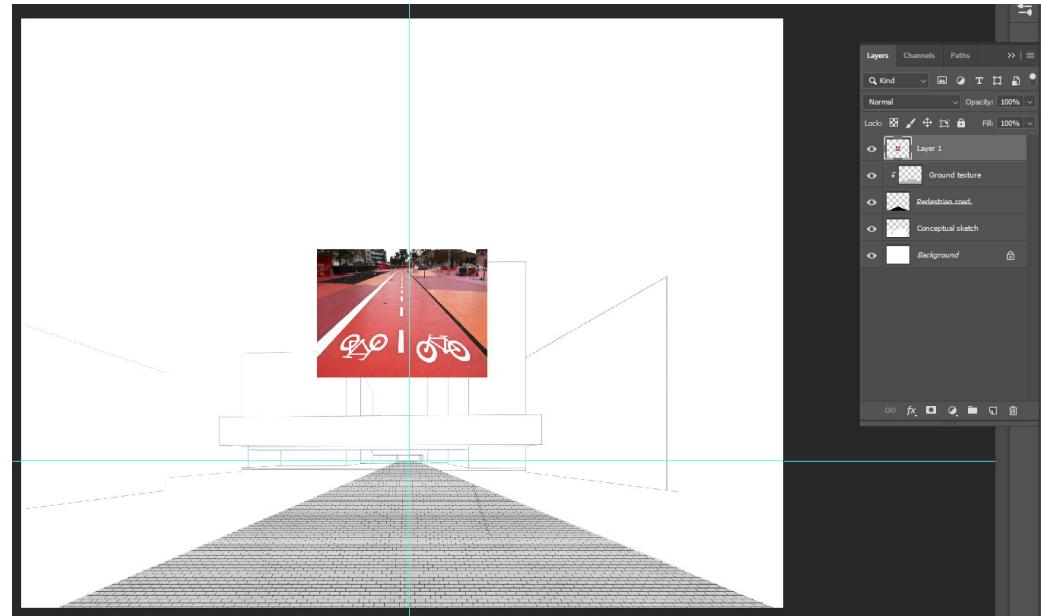
9. On layer panel, press down 'Alt' key while click on the gap between 'Ground texture' layer and 'Pedestrian road' layer to make a clip. The result should look like left below. Then click on the 'Ground texture' layer and then press down 'Ctrl + T' to activate transformation function.



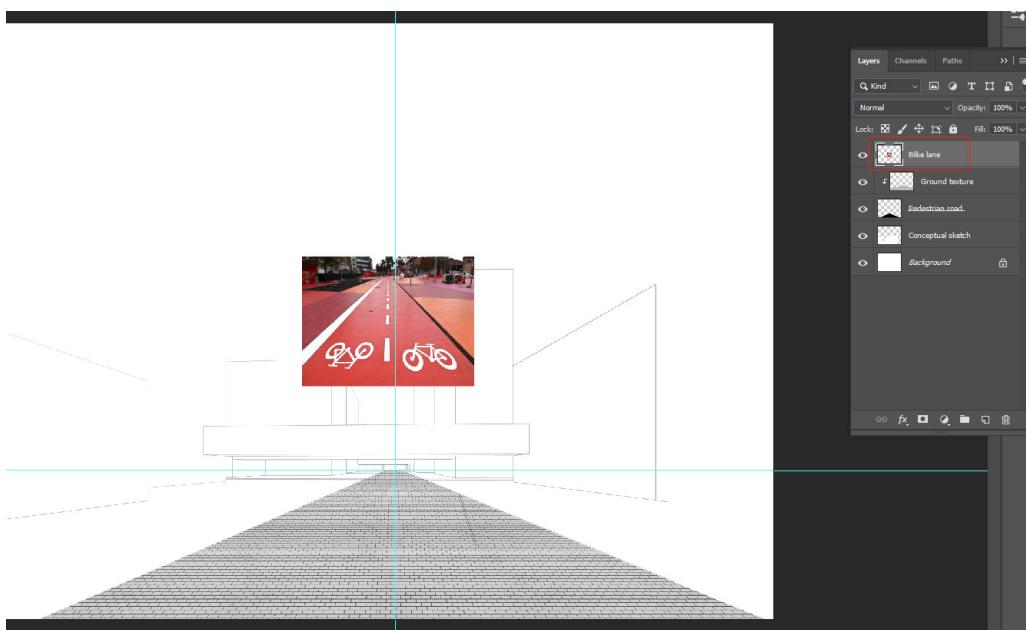
10. Press down 'Ctrl' key while drag the four anchor points to adjust the ground texture in order to make it follow the rules of perspective. Double click to finish the transformation. The result should look like the right below.



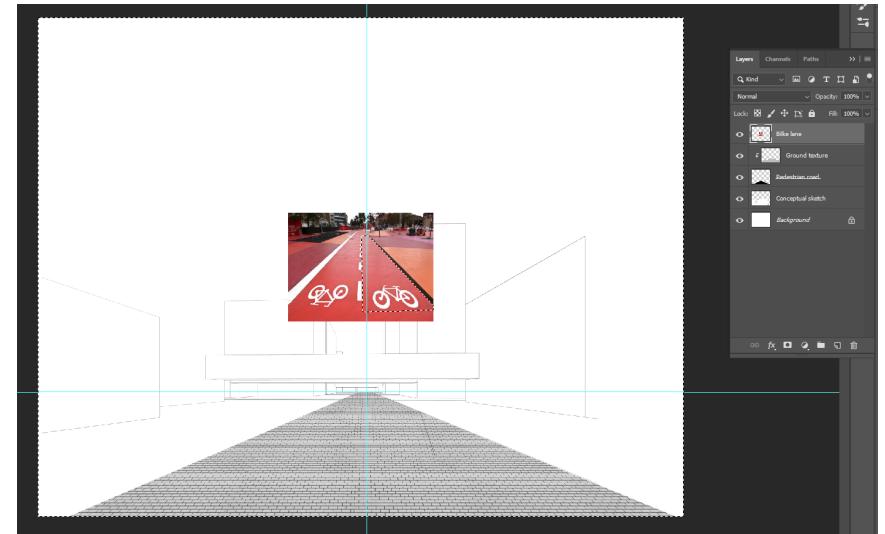
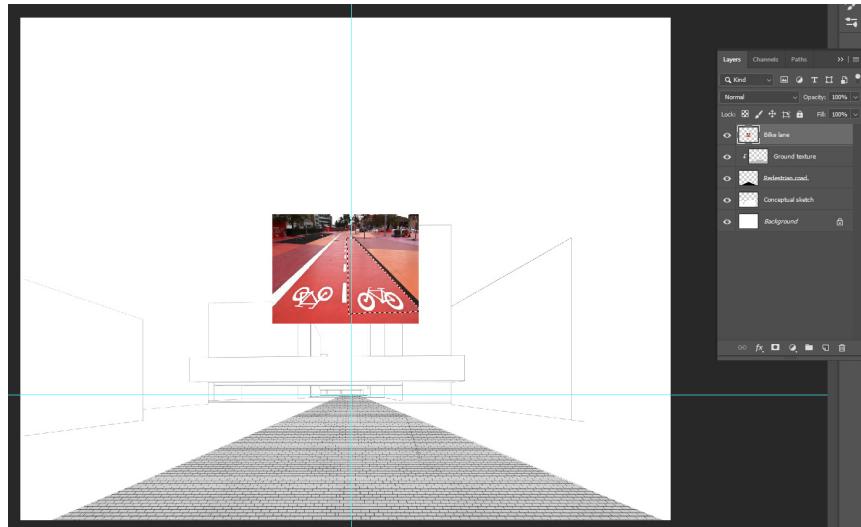
11. Go back to Google browser again and search for a bike lane image like below. Copy and paste it onto Photoshop.



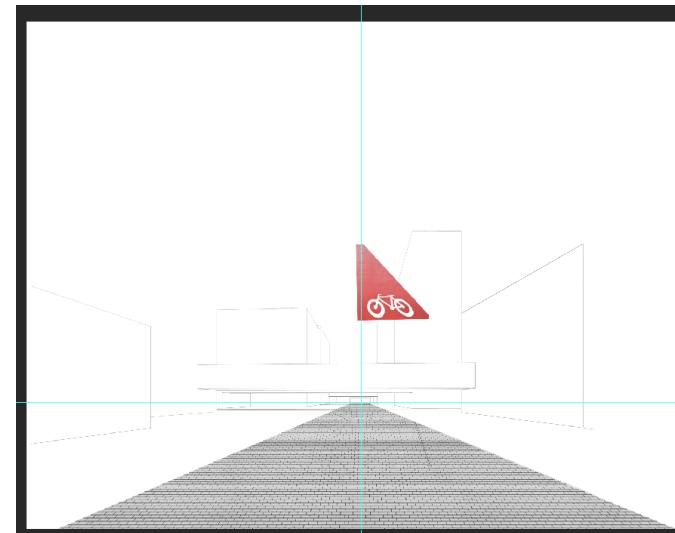
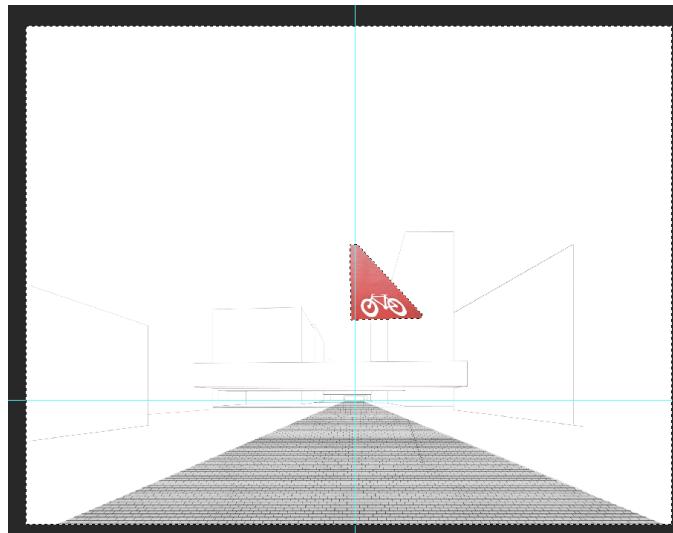
12. Rename the layer as 'Bike lane' and then use Pen tool again to trace out the area you want to crop.



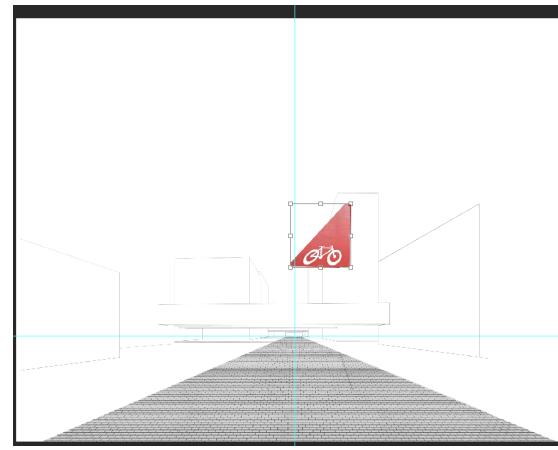
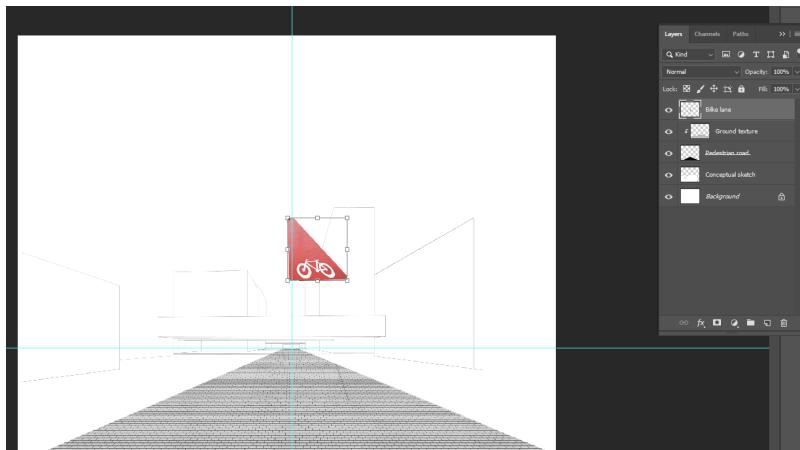
13. Press down 'Ctrl + Enter' to create a selection area. Then Press down 'Ctrl + shift + I' to reverse the selection.



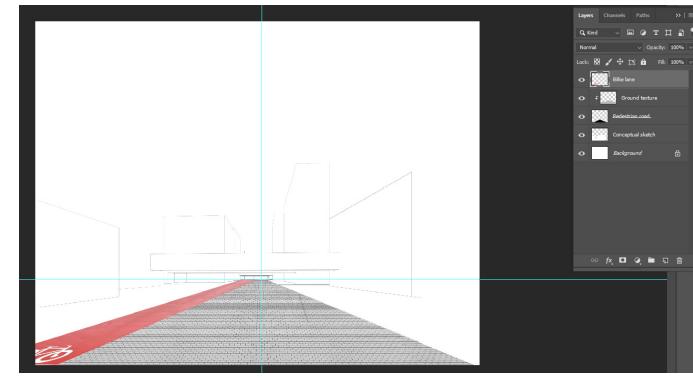
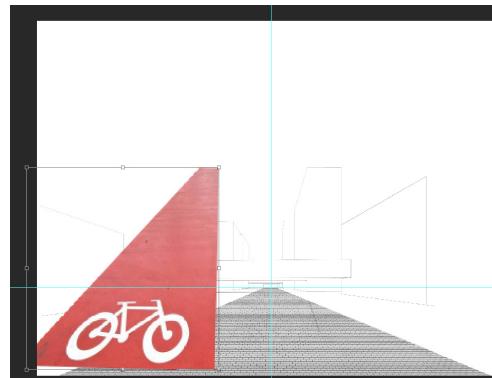
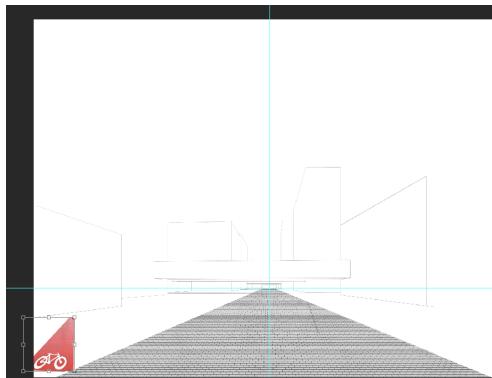
14. Press down 'Delete' key so the result should look like left below. Press down 'Ctrl + D' to clear the selection so the result should look like right below.



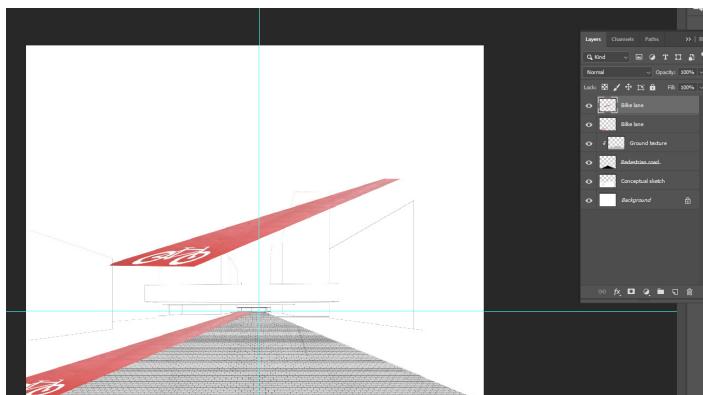
15. Click on the 'Bike lane' layer and press down 'Ctrl + T' to activate transformation operation. Then right click the image on the artboard to choose 'Flip Horizontal'.



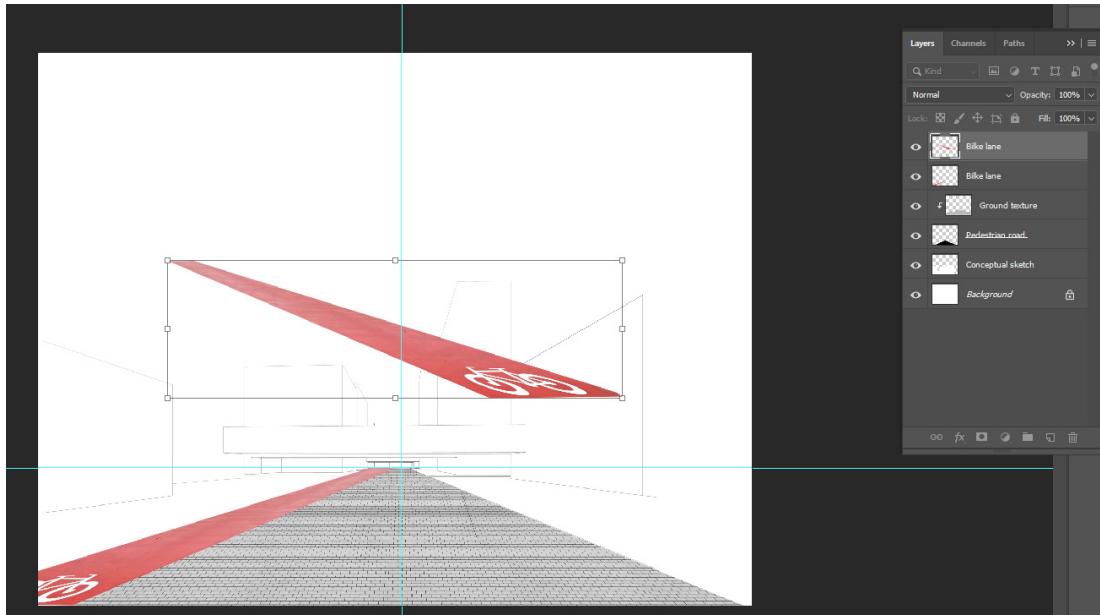
16. Move it to the proper place. Drag the anchor point to scale it up. Press down 'Ctrl' key while drag the four anchor points to adjust the ground texture to make it follow the rules of perspective. Then double click to finish the adjustment. The result should look like right below.



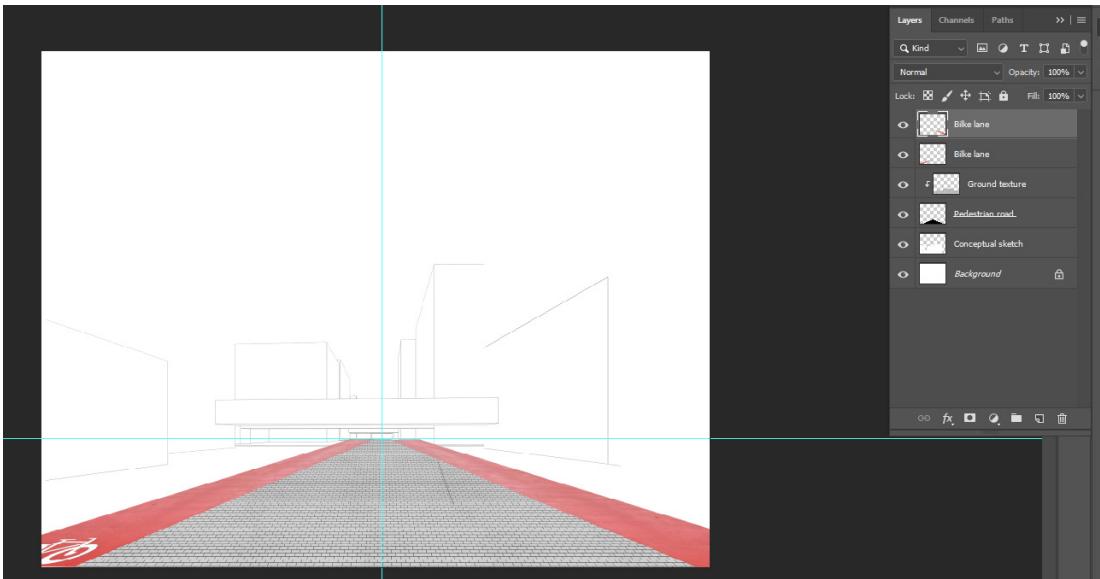
17. Click on 'Bike lane' layer to make it highlighted. Next press down 'Ctrl + C' and then 'Ctrl + V' to create a bike lane layer copy.



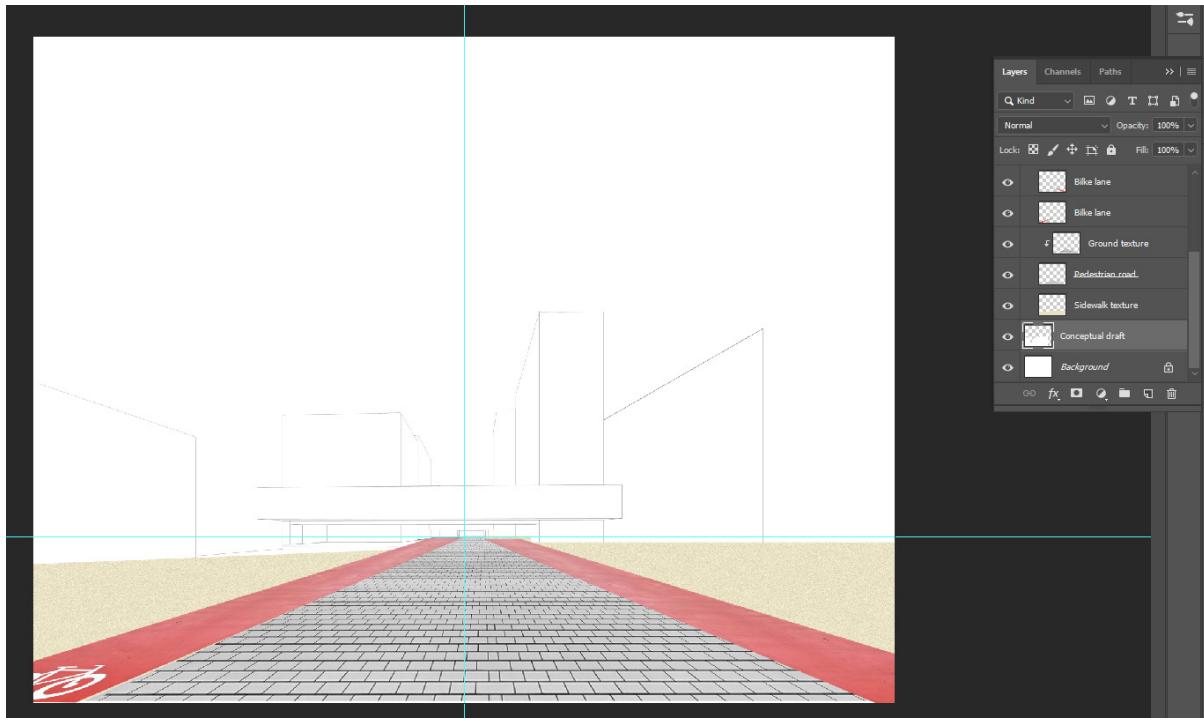
18. Click on 'Bike lane' layer copy to make it highlighted. Then press down 'Ctrl + T' to activate transformation operation. Right click on the bike lane image and choose 'Flip Horizontal'. The result should look like below.



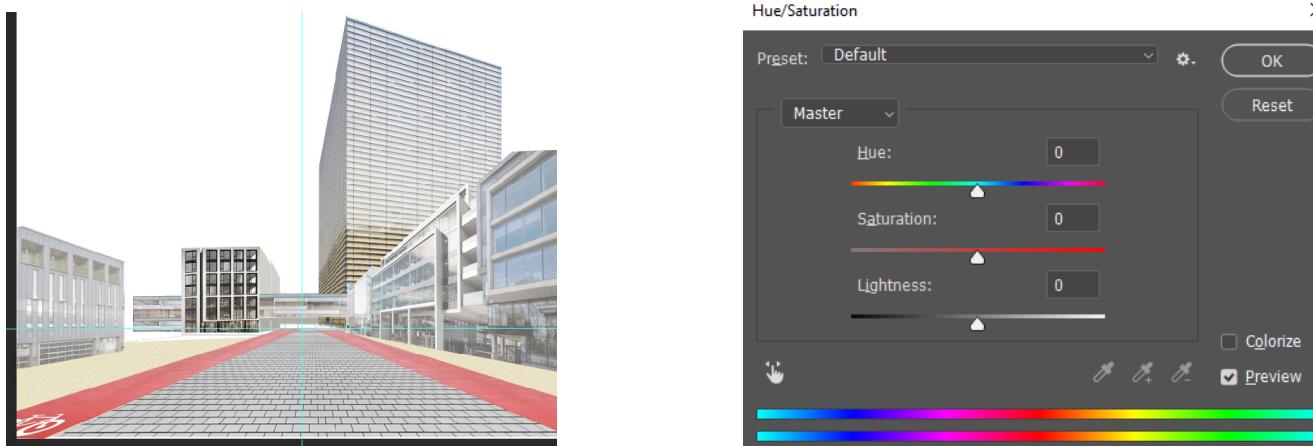
19. Move it to a proper place and adjust it to follow the rules of perspective.



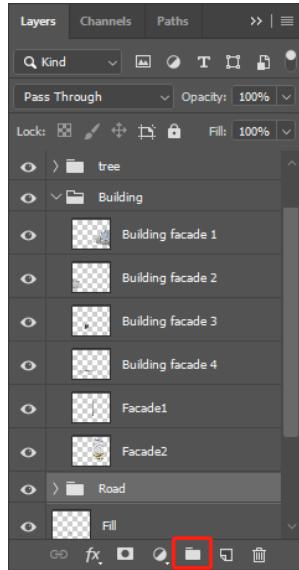
16. Similarly, find a sidewalk texture from Google image. Copy and paste onto Photoshop. Rename the layer as 'Sidewalk texture' and place the layer below 'Sidewalk texture' layer.



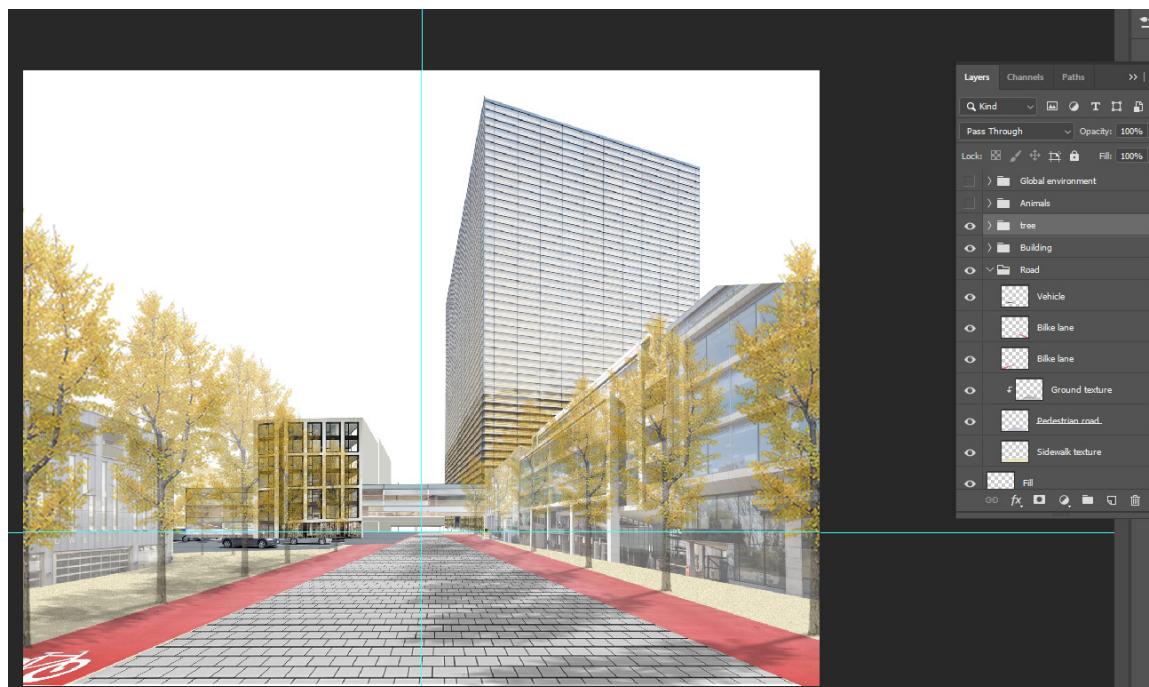
17. Google some street view images, out of which cut some building facades in Photoshop (use Pen tool again). Then move them to proper places and transform them to follow the rules of perspective. This step will take some time because you might need to adjust them back and forth to make them look good. Images from multiple sources often visually contradict one another in terms of color. To achieve visual harmony, you can click on the layer you want to adjust its image color, then press down 'Ctrl + U' to adjust the values of Hue, Saturation and Lightness. There is a rule of thumb: most of the time you only need to lower the Saturation value. But sometimes you might need to adjust Hue value, lower Saturation value and increase Lightness value at the same time. This is a very important trick.



18. You also need to make your layers in order so that you won't be puzzled by the increasing layers as your work goes on. Click the button below to create a group and name it 'Building'. Drag all the building facade layers under the group.



19. Add some trees. Scale them up or down to follow the rules of perspective. Press down 'Ctrl + U' to adjust their color. For tree resources, you can search online absolutely. For example, you can Google image by 'Photoshop tree png'. In addition, there are many free resources online. For example: <https://www.mrcutout.com/vegetation-cutouts>



20. Add peoples. Scale them up or down to make sure that their eyes are almost close to the horizontal line crossing the vanishing point. For people resources, you can search online too. For example, you can Google image by 'Photoshop people png.'

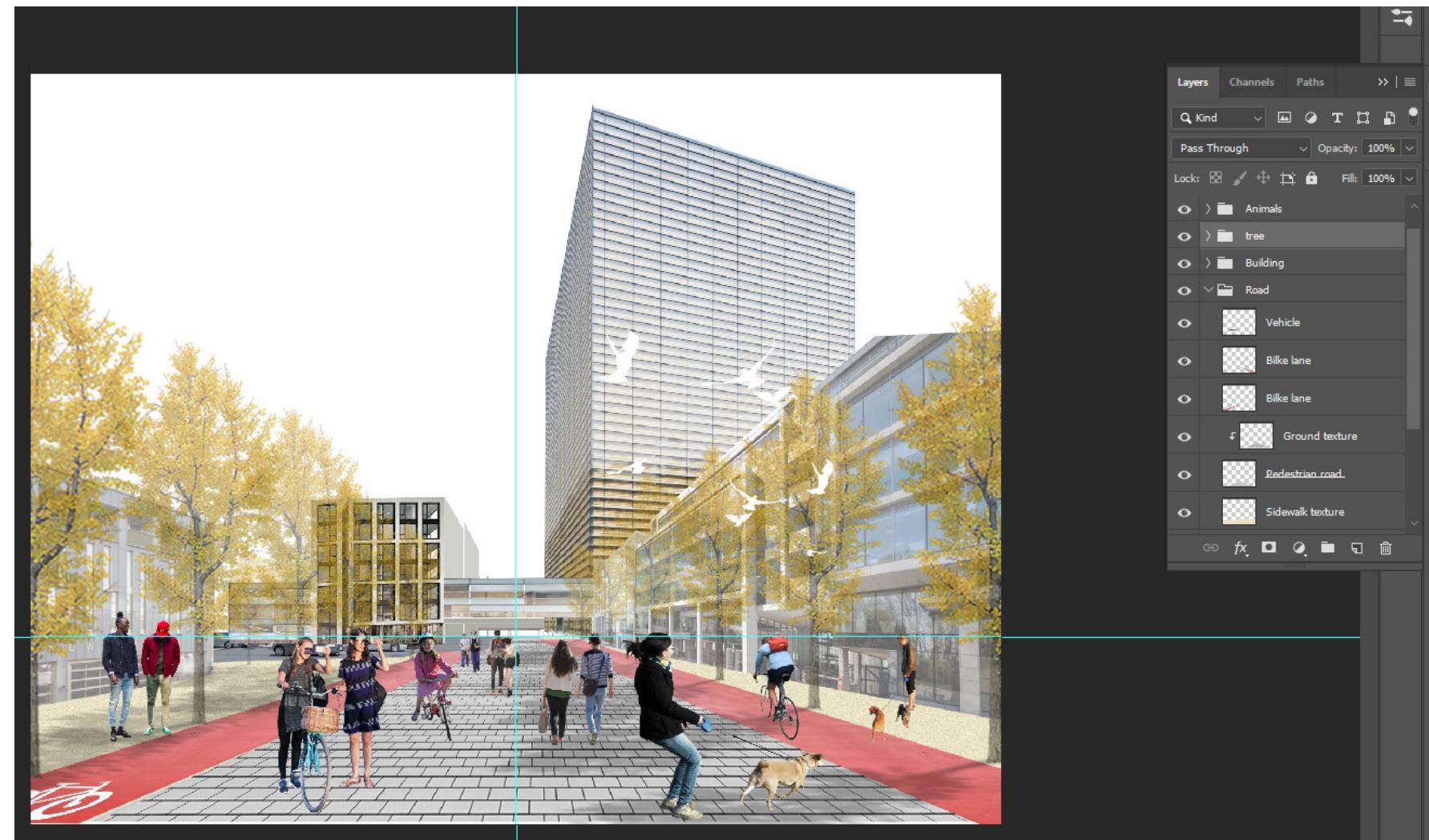
There are many websites providing free resources. Here are some:

<https://skalgubbar.se/>

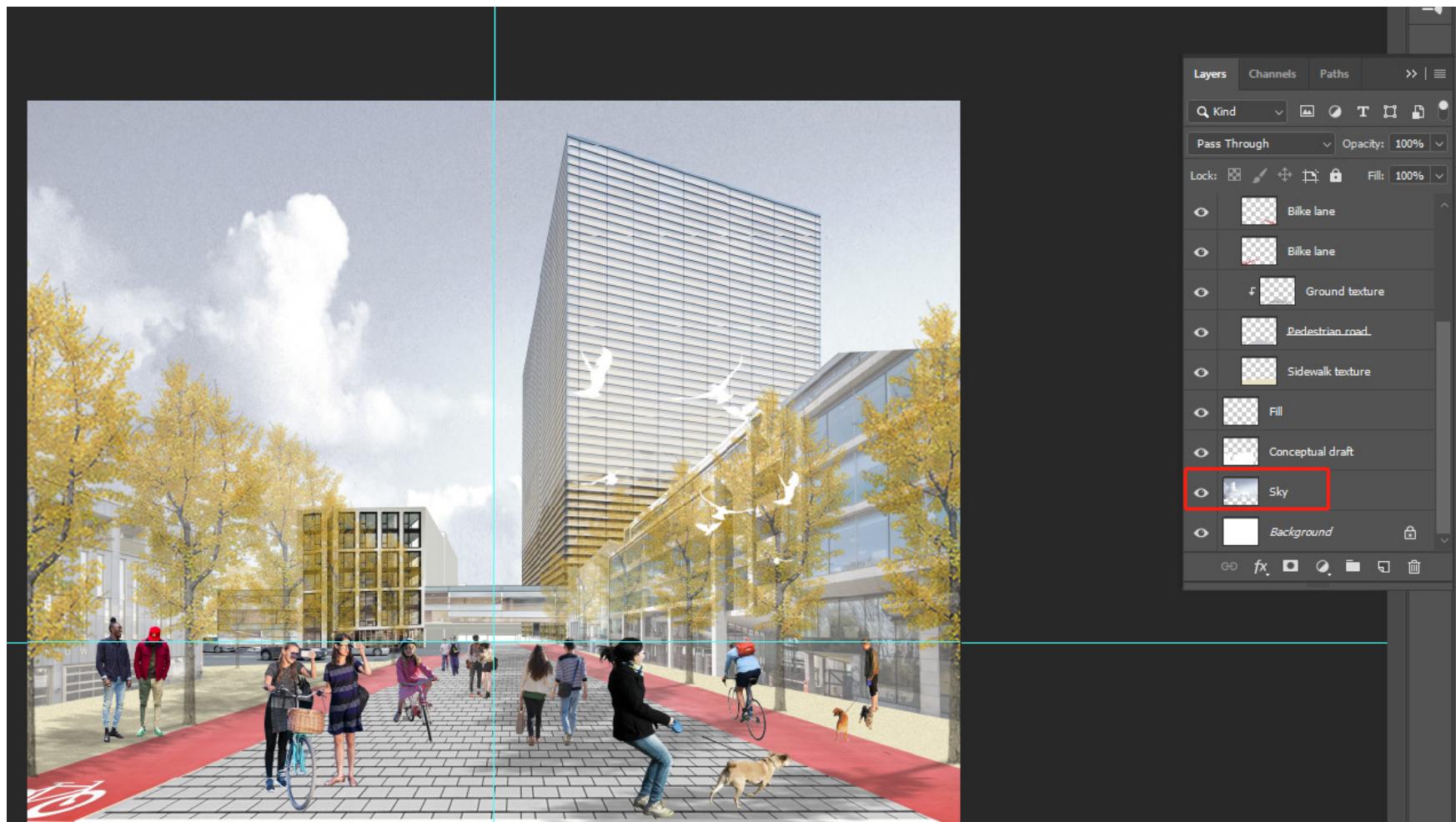
<https://justnotthesame.us/>

<https://www.studioesinam.com/pages/cut-out-people>

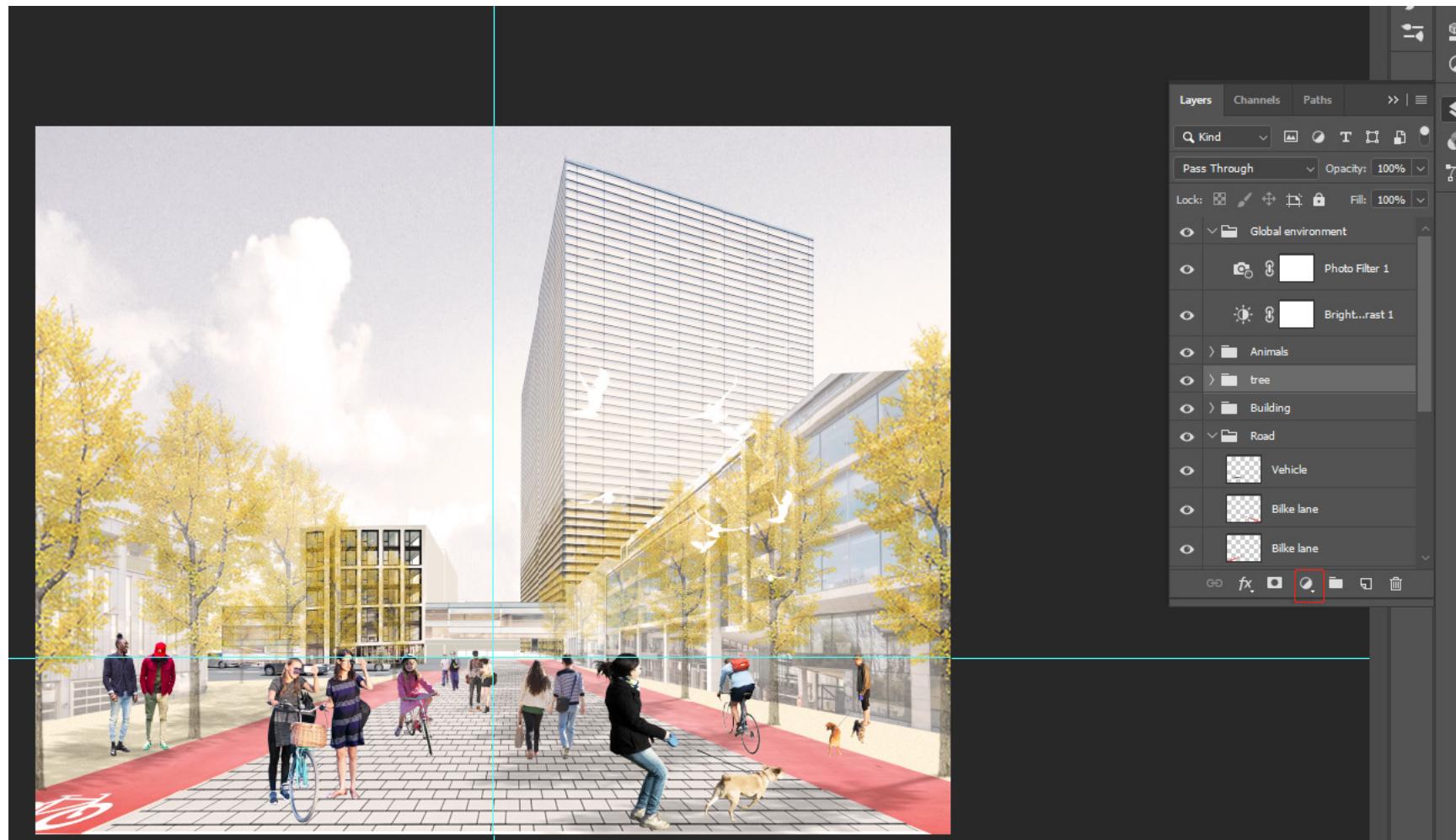
<https://www.vishopper.com/cut-out-people>



21. Google a sky image and add it onto Photoshop. Press down 'Ctrl + U' to adjust its color. Make sure that the layer is below the other layers and above the 'Background' Layer.



22. Click the little button to add a 'Photo Filter' and a 'Brightness/Contrast' to adjust the global environment.
Now, before you are finished, you might still need to adjust the color of some of the layers to make sure the whole picture looks good.



23. Press down 'Ctrl + S' to save the PSD file.
Then save the file as an image. Navigate to File -> Save as. Save the file as a JPG image. Next you can import the JPG image to Illustrator or InDesign to create a PDF file. Or you can directly save the file in Photoshop as a Photoshop PDF. Navigate to File -> Save as Photoshop PDF.