

How to Build SideStreets

Gather Pictures

Collect the images to use in Side Street by using a 360 camera. Each camera is different with obvious sensitivity and resolution differences. So do some trial and error to get the right conditions and settings.

Tips

- Camera set to take a picture every 2 seconds
- Set up the camera so that each image it takes has a unique name
- Over cast day with leaves off (No Shadows)
- Make sure lenses are clean
- Use a vehicle that will have a small footprint under the camera

Process Pictures

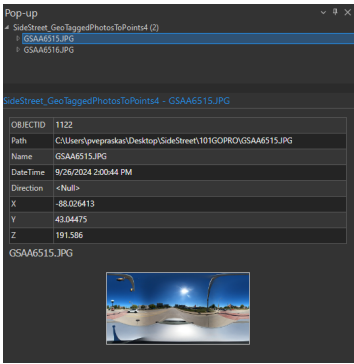
Copy all the pictures to a folder, preferably a folder that is visible to the internet. This will allow you to use pathnames to open the images rather than attachments.

In ArcGIS Pro Click on the **Analysis Tab**

Click **Tools**

Search for the **GeoTagged Photos to Points**

Fill out the tool’s settings. For the **Add Photos as Attachments** option the app will by default create a field with the path to the images, but you can use attachments in addition by enabling this option. Attachments are the easiest option but what we experienced was in dealing with so many attachments sometimes they would work and sometimes they would not. For our deployment we are referencing the images via that path name to a folder available to our IIS server instead of using them as attachments. We looked at attachments and ultimately choose to use the referencing option instead as the **GeoTagged Photos to Points** tool will build in the necessary attributes. Keep in mind this attribute will be a local path name as you can see in the image to the right. If you are deploying internally on a network this is fine. If you wish to use this via the web, you will need to update this from the local pathname to the new web URL name. This can be done with a replace field calculation in ArcGIS Pro.



Run the tool

Congrats!! You now have the point feature class for the base of Side Street

Publish the Feature Layer

You can host the points in ArcGIS Online if you wish, the warning there is if you use the attachment option you will have a very high credit usage rate. So I would recommend not using attachments if you wish to use AGOL, or publish your data to your own ArcGIS Server.

Create/Set Up the Viewer

Copy the SideStreet Viewer Code to your web server. Again If you are not using the Attachment option for the data make sure you have your original photos in a web available folder. In addition you need to change the attributes in the Path field of your feature class from the local pathname to the new web URL name. This can be done with a replace field calculation in ArcGIS Pro.

Open the Setup.js file in the js folder and change the settings to match your data

Enjoy!