



# RoadBotics®

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*Local Government and Small Team Guide for Completing*  
**Asset Location and Condition Inventories**



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# LOCATING ASSETS AND NOTING CONDITIONS

Do you know the location and condition of your infrastructure assets? Do you know how your roads rank from best to worst in terms of surface deterioration?

Things like **traffic signs, street lights, benches, trees, manhole covers,** and **fire hydrants** are expensive to purchase and maintain, not to mention the high costs of sustaining and replacing roads and highways. **WHAT'S YOUR PLAN?**

Before you begin planning, you need to have an accurate map and catalog of where all of these assets are located, as well as what condition they are currently in.

Does the stop sign on Main Street need replaced, and when was it last checked? Are the fire hydrants in your borough in need of painting, and how much paint and man hours will that take? Is Fourth Street in need of resurfacing this year?

You can answer these questions and make more efficient plans if you can see the big picture.

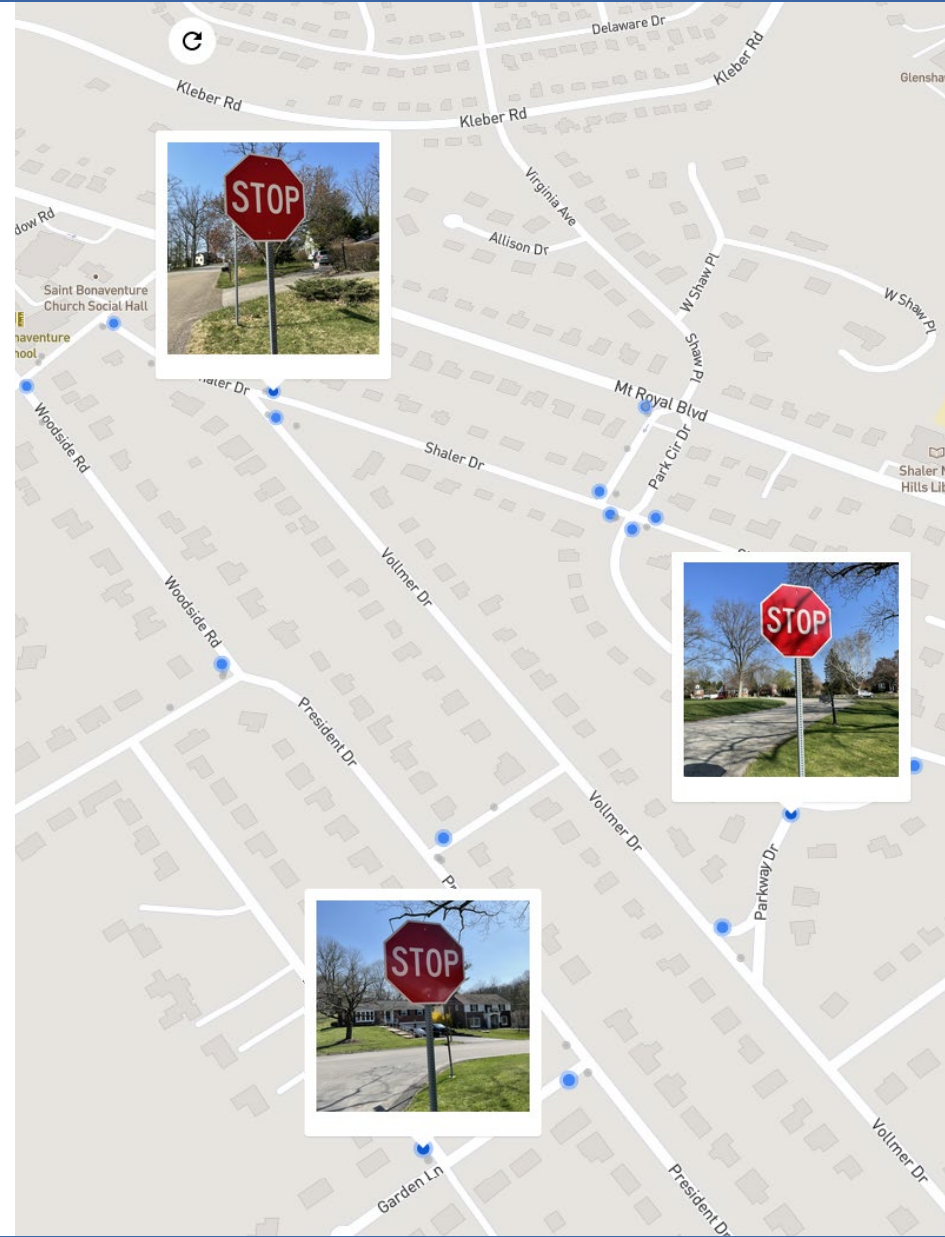


TAGS:

Stop

Condition: Good

Installed: 2020



# WHY NOW?

If you don't currently have a method of locating and noting the condition of your infrastructure assets, now is a great time to begin! Why?

- 01 With over \$555 billion in funding available for infrastructure projects over the next 5 years, the Infrastructure Bill is providing motivation for governments and communities to take stock, make plans, and begin to build and rebuild.
- 02 Most grant and funding applications require you to provide evidence of the current status of the assets you are trying to acquire money to upgrade. You're going to want objective proof to clearly document your needs.
- 03 Staff and crews come and go. A trusted process for sharing mapped visual information and detailed condition status will significantly decrease the time it takes to get new employees up to speed.
- 04 You can't always make a trip into the field to see things for yourself. A reliable, online platform that can be accessed from anywhere will save valuable man hours.
- 05 Budget planning requires strong information and analysis. With a solid baseline of where you stand, allocation decisions can be data-driven.



**THE CITY OF TERRELL, TEXAS** was unsure of the exact location and current condition of their street lights, street name signs, and traffic signs.

Check out the case study to learn how RoadBotics helped.

[VIEW TERRELL CASE STUDY](#)

# OPTIONS AND CONSIDERATIONS

Asset inventories and condition reports are typically completed by:



### MANUALLY NOTING DETAILS

Using pencil, paper, printed sheets, and checkboxes, many communities perform their inventory and condition reports manually. The resulting data can be subjective, unreliable, and easy to misplace- not to mention not to mention making it difficult to compare data year-over-year.



### USING SPREADSHEETS

Many communities have upgraded their manual methods onto Excel spreadsheets, but again, year-over-year comparisons are difficult, and sorting can be challenging.



### TAKING PHOTOS

While photos are a great way to preserve a moment and condition in time, without geographical and time references, they can be confusing and not tell a complete story.

But these processes tend to be:

**X**

**TIME CONSUMING**

**X**

**NOT ACCESSIBLE TO ALL**

**X**

**DIVERGENT SOURCES**

**X**

**DISCONNECTED DATA**

# OPTIONS AND CONSIDERATIONS



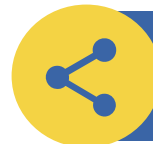
What are the most important considerations when selecting a method of performing asset inventories and condition reports?



**BROWSER-BASED ACCESS AND CLOUD-SECURE STORAGE FOR DATA**



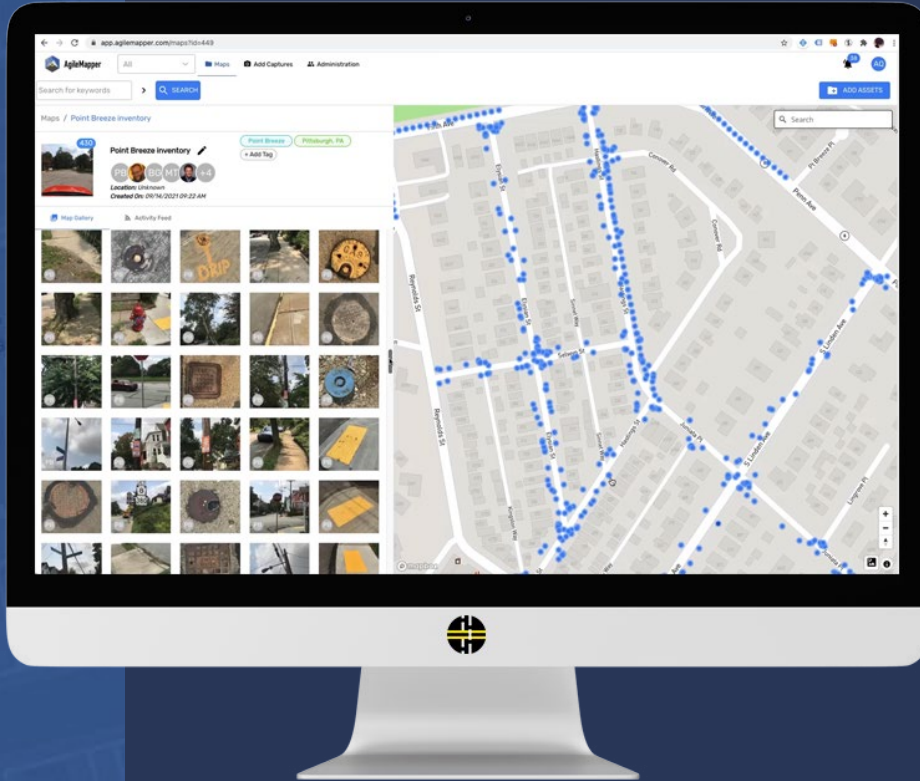
**FILTERING AND EXPORTING CAPABILITIES FOR MERGING WITH OTHER PROCESSES**



**ABILITY TO SHARE AND COLLABORATE ACROSS TEAMS OR DEPARTMENTS**



**SPEEDY DATA COLLECTION AND EASY UPLOADING**



## OUR SOLUTION

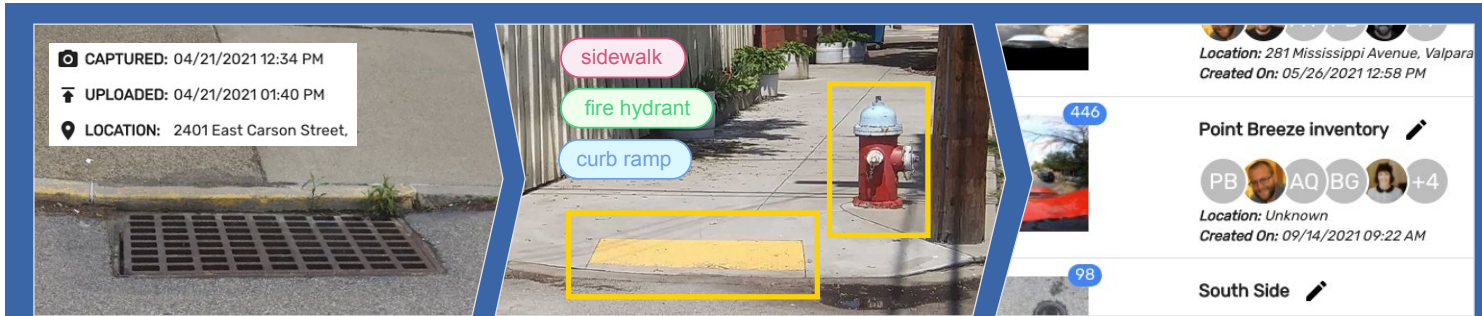
RoadBotics has been using artificial intelligence to provide mapping solutions for governments, communities, and engineering firms for over 5 years. While we began by rating roads and identifying pavement distresses, we've always seen the big picture! Performing asset inventories and noting their condition is the main function of the newest platform, AgileMapper.

AgileMapper transforms your visual infrastructure data into meaningful maps using artificial intelligence (AI). You can quickly inventory your infrastructure assets and note their condition on an interactive map. Each asset image is automatically geo-tagged, time-stamped, and user-referenced with common tags applied by our AI. Each asset can then be grouped, sorted, and searched for reference.

The detailed visual data on an AgileMapper map can be used to support grant and funding requests, providing an accurate picture and clearly documenting your infrastructure needs. And as you invest your infrastructure grants and funds, AgileMapper becomes an important tool for tracking your progress and showing that you've put the money to good use.

# IMPLEMENTATION AND MAINTENANCE

Getting started with AgileMapper for your asset inventories and condition reports is easy.



**UPLOAD EXISTING IMAGE DATA OR BEGIN TAKING IMAGES**

Begin collecting images of your assets whenever or wherever you'd like, or upload already existing image data. Each image is automatically geo-tagged, time-stamped, and user-referenced.

**SPEED UP THE PROCESS WITH ARTIFICIAL INTELLIGENCE**

Using a comprehensive set of tags, your images are automatically identified and tagged by our AI and can be easily searched to find what you are looking for later. Or, create your own unique tags and group common tags together.

**EASILY ORGANIZE MAPS AND PROGRESS**

With AgileMapper, your organization has one account for as many users as you'd like to add. You can create maps, add locations, upload photos, and assign teams right from your desktop.



# WHAT NEXT?



## VISIT OUR WEBSITE

to schedule a meeting or demo at your convenience, or register to attend a web event.

[WWW.ROADBOTICS.COM](http://WWW.ROADBOTICS.COM)



## TO LEARN MORE ABOUT PERFORMING EFFICIENT ASSET INVENTORIES AND CONDITION REPORTS:

Email [info@roadbotics.com](mailto:info@roadbotics.com) to let us know your needs.

[INFO@ROADBOTICS.COM](mailto:INFO@ROADBOTICS.COM)



## READ OUR CASE STUDIES

to see how other communities have put our technology to use.

[TAKE A LOOK](#)