

THINKGIS®

**Smarter
Just Got
Easier!®**

Mapping Grade GPS Data Collection

using the Trimble R1 GNSS receiver*

● **Improved Accuracy for Field Collection of Assets**

WTH Technology has developed an integration with the Trimble R1 GNSS Receiver to provide highly accurate positioning information directly to our Think GIS® software. This allows Think GIS® users to observe real time location information on their Think GIS® maps with sub-meter accuracy, often within 18". The Trimble R1 connects to any device through a bluetooth connection. This integration allows Think GIS® to use its internal GPS reading capability to access location information directly from the R1 providing greatly improved accuracy.



Rural Utility Department Leads The Way

You'll find the Town of Roann, Indiana in Paw Paw Township in northwest Wabash County. Known for its historic district which is recognized in the National Register of Historic places, and, for its annual covered bridge festival, Roann boasts a population of around 500. At its relatively small size, Roann is a leader in the use of technology to manage and maintain its utility infrastructure.



Town of Roann, IN Utility Department

● **Utility Staff Creates Innovative Solution**

The Town of Roann, Indiana Utility department has developed a simple, inexpensive method for using the Trimble R1 GNSS receiver with their Think GIS® software. They have found that by combining readily available, affordable components they've been able to create a data collection system that's easily used by one man. They used a surveyor's grade rod, an adjustable tripod with a clamp, and a zip tie to create this GPS location device. It can be deployed in minutes to provide a wireless GPS signal to the computer running Think GIS®.



**Contact WTH to learn more
1-888-225-5984 (Call WTH)**

WTH
Smarter just got easier®
www.wthgis.com

Mapping Grade GPS Data Collection

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Use Real Time GPS Directly in Think GIS®

Think GIS® will read the accurate GPS location information directly from the Trimble R1 receiver. The GPS location is highlighted in the map display. The laptop running Think GIS® can be set up in any comfortable location so long as it's near enough to the GPS receiver to establish a bluetooth connection. From this location the GPS signal can be used to create or edit GIS features in real time.



Visualize GPS Location in Think GIS®

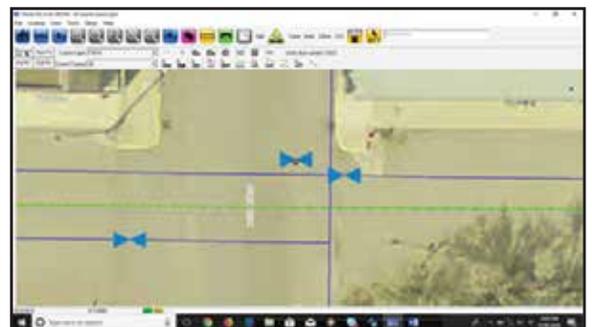
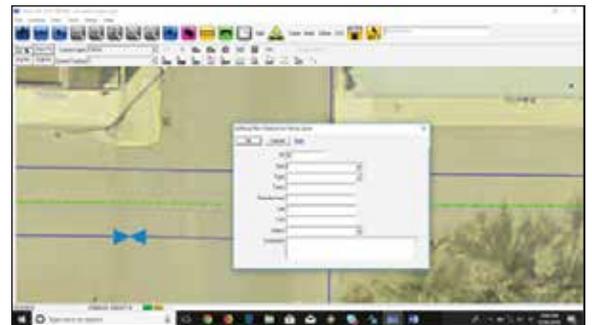
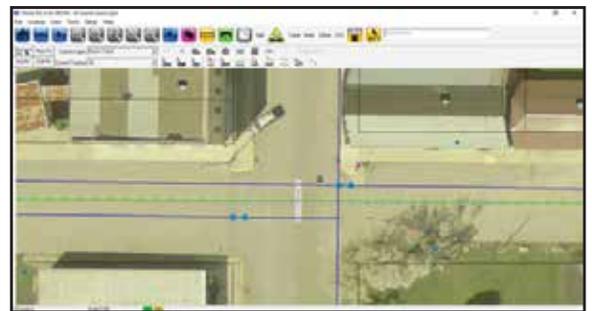
The GPS location from the R1 receiver is easily seen in the map display. This location indicator can be used to create a new GIS feature, or, to align an existing GIS feature to a more accurate location.

Create New GIS Feature

Using the intuitive feature creation tools, a new GIS feature representing the asset being located takes only a few clicks. Known attributes can be entered during the creation process, or, added later.

Snap New GIS Feature to GPS Location

The new GIS feature can be easily aligned with the accurate GPS location being displayed from the R1 receiver. If the GIS feature already exists its position can be updated to the new, more accurate GPS location.



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