

Asset Inventory



Survey

Fugro provides network level surveys of all visible roadside assets. Asset inventory surveying is fully customizable and can range in scale from municipal to state level road networks. An asset survey can be completed quickly and accurately using the ARAN surveying vehicle in combination with the HD Videolog system and the Surveyor asset extraction software.

Images

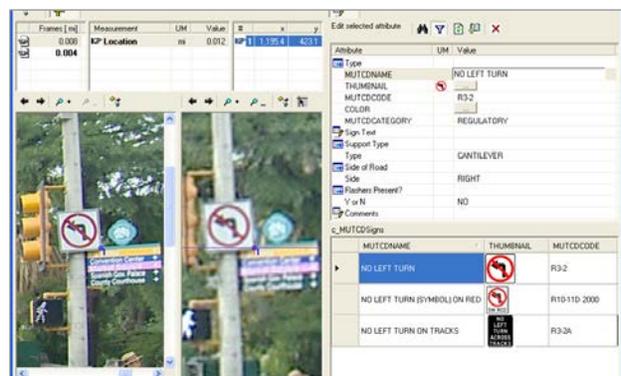
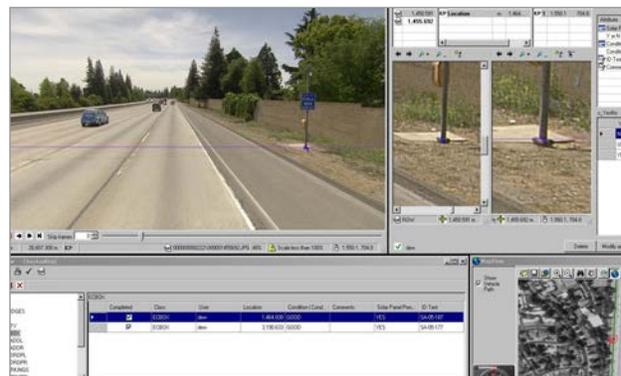
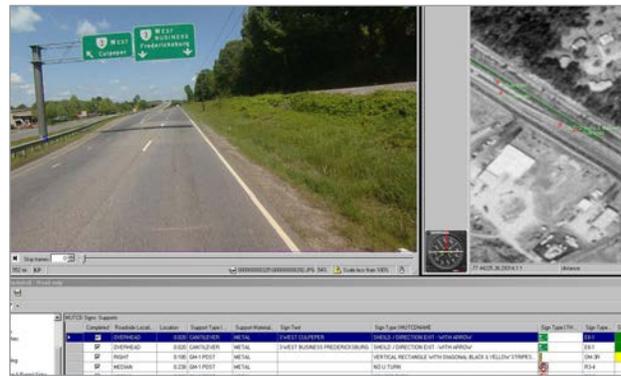
We take image quality seriously and use the highest quality broadcast video cameras with true high definition (1080p) 1920 x 1080 with three CCD sensors. High quality optics ensure greater detail and our cameras are calibrated to give "cm" accuracy at the furthest distances.

Locations

The precision of the GPS system is a key component of any asset inventory survey. Fugro uses the best inertial aided navigation system on the market. This system ensures that GPS accuracy is maintained even during long satellite blackouts. Sub-meter (three feet) precision in real-time is standard, and 5 cm accuracy is achievable by post processing using local base station data.

Sign Reflectivity

All agencies that maintain roadways open to public travel must comply with the new standards set by FHWA in the MUTCD state. Fugro can help identify your sign locations and measure their reflectivity.





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Maintenance

An accurate and up to date asset inventory can greatly reduce cost for maintenance services such as street cleaning, drain cleaning, grass cutting or electricity usage. The potential savings on just one of these services each year could pay for your asset inventory survey.

Budget

Asking for additional funds for a project at any time is challenging. A full asset inventory is critical to knowing how much money is needed to manage, maintain, and update your highway assets. This inventory can accurately define the value to create an asset management plan to communicate the needs of the region in the most efficient economic terms.

GASB 34

According to GASB 34, state and local governments are required to report all financial transactions, including the value of their infrastructure assets. Although mandatory, the return on investment from such a program cannot be ignored. Whether your strategy is to do more with less money or to gain approval for additional funding, a full and accurate asset inventory is a necessary first step.

Details

If it can be seen, it can be recorded and measured. Fugro will work with you to define your organization's data dictionary and record data so it goes straight into your asset management system. Every asset is associated with an image so that you can verify the location and collected information. Data collected is spatially referenced and can be exported in a variety of formats to view in the GIS application of your choice.

MAP 21

With the advent of MAP21 and the associated performance measures required, agencies need the right information, everywhere, all the time. Achieving even simple performance measures is a process of measuring, analyzing, reporting, sharing, assessing and re-measuring. Speeding up this feedback loop is essential to achieving these performance measures. Fugro's iVision makes this process faster and brings greater involvement from the broader team to ensure that appropriate decisions are made.

MIRE

The Model Inventory of Roadway Elements (MIRE) recommended listing of roadway inventory and traffic elements are critical to managing safety and can assist agencies in improving their roadway and traffic data inventories. Fugro has the capability and experience to plan and effectively utilize a variety of options to ensure the most cost effective and detailed MIRE delivery.

Assets and Attributes

- Signs
- Roadside barriers
- Median barriers
- Guard rails
- Linear pavement markings
- Point pavement markings
- Impact attenuators
- Delineator guide posts

Assets and Miles Surveyed

- Since 2008, Fugro has surveyed and delivered over 5.1 million assets over 216,000 miles.
- We have captured over 70 different asset types for clients on network level surveys.

Support and Maintenance

Fugro is committed to ensuring that you get the support you need in order to utilize delivered asset inventory data.

Features of our support program include:

- Phone support (Mon to Fri, 6:00a.m.-6:00p.m. EST)
- Onsite technical support and training
- 24 hour online customer support web portal

Premier Services Group (PSG):

PSG provides services to enhance the project-specific knowledge of key clients and to help them innovate, including:

- Installation and support services
- Managing plug-in development
- Writing productivity scripts and high-end work flows
- Optimizing hardware
- Customized training and documentation

Fugro Roadware

North America Toll Free: +1-800-828-ARAN (2726)

Phone: +1-905-567-2870

roadware@fugro.com