

DISTRICT 16 – Monroe & Livingston Counties

MONROE COUNTY GIS SERVICES DIVISION is operating its own “GIS technology vehicle” capable of producing on location and in real time products similar to Google maps. The vehicle is on a 1995 Ford Super-Duty F chassis and was donated to the county in 2006 and later converted over to its present use. It has been employed at the Rochester International Air Show, Rochester Marathon and in search and rescue operations. Maps can be produced and overlaid with routes, vendor locations, staging areas, etc. Through a partnership with Pictometry, based in Rochester, real time imagery can be sent from an aircraft through a satellite dish and converted to readable files in minutes. Monroe County gets a good deal of snow coverage in winter months and the vehicle can be used to map out unseen marshes and ponds to help keep responders safe. The vehicle is capable of delivering GIS data to base stations at every county office in an area with 750,000 residents living in 19 towns and 10 villages.

Equipment presently includes:

- Global Navigation Satellite System
- three Panasonic Toughbook laptops;
- 4G wireless network;
- weather station;
- wide-format HP plotter;
- wireless HP printer/scanner/copier;
- Trimble R8 GNSS survey-grade receiver;
- Trimble ProXH receiver;
- Trimble ProXR backpack receiver;
- Trimble GeoXT handheld receiver;
- 32-inch Smartboard;
- Onboard generators (two 8,000 watt)
- microwave, refrigerator and coffee maker.
- observation deck

Plans are to add a 30-foot mast with a video camera.