

SPECIAL
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Digital Mapping Project

As part of an ongoing effort to further enhance the county mapping system, the Guernsey County Commissioners have approved the pursuit of a digital parcel layer. This process will convert the existing paper tax maps into a seamless digital format that will unlock a multitude of functions. We will then be able to associate the mapping with other county offices, such as the auditor to provide 'realtime' information about the parcel. The parcel layer will be added to the geographic information system (GIS) base map. Along with the aerial imagery and

the new road centerline project, the GIS foundation will be in place. We would then



Downtown Cambridge, OH

be able to build future layers that would benefit the county as a whole. The base map is used by EMS and law enforce-

ment, developers, engineers, surveyors, realtors, utility companies, timber industry, oil & gas industry and the general public. The map department maintains and updates the tax maps daily. There are over 1000 tax maps in house, representing nearly 40,000 parcels. The conversion project will take 10-12 months to complete after a contractor is selected. We are in the planning process now and will proceed carefully to insure a smooth transition into the future. The result could potentially lead to web-based access for mapping and data distribution.

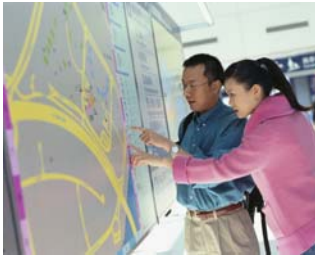
Statewide Imagery Program

New aerial photography will be arriving soon. As part of the Ohio state-wide imagery program (OSIP), we will receive new 1 ft color orthophotos for our county at no cost. Along with the photos we will receive a 2.5 ft digital

elevation model and 5 ft contour mapping. The OSIP program is a partnership between State and Federal government to develop high-resolution imagery and elevation data for the entire state to benefit GIS mapping at all

level of government. Accurate imagery and elevation data serves as the backbone for the development of additional datasets that are currently maintained and accessed by county decision makers and the public.

Planning Commission



Planning begins at the map department

Guernsey County has adopted 'subdivision regulations' effective April 1st 2006 for the purpose of regulating the development of subdivided areas; promoting the proper arrangement of streets and layout of lots; providing for adequate and convenient provision of

open spaces, utilities, provision of water, drainage, sewer, and other sanitary facilities. These regulations are established under the authority of section 711 of the Ohio revised code. The planning commission board consists of elected officials, surveyors, engineers and map department personnel. A complete set of rules and regulations are available at the map department or online at:

guernseycounty.org/agencies/maps

“This level of detail will enhance and expedite 9-1-1 response time...”

Location Based Response System

The LBRS dataset has been delivered to the county by Digital Data Technologies, Inc of Columbus Ohio. Guernsey County officials contracted DDTI to provide site-specific address locations and the creation of spatially accurate street centerlines. “They sent GPS enabled teams to drive every road in Guernsey County, collecting all road centerline data, each address point and other asset information”, said GIS coordinator Jim Mercer. Other information that can impact emergency vehicle routing, including one-way restrictions, traffic control devices, railroad crossings, speed limits, school zones, and bridge and culvert locations was also collected. The information was then translated to a GIS database that can satisfy local, state and federal government needs. The resulting dataset consisted of 1,573 miles of centerline and 20,717 addresses. This level of detail will enhance and expedite 9-1-1 response time to multi-unit structures. The data is maintained daily by the map department to include any new features that are added.

House Numbers are Important

Guernsey County officials are urging people throughout the county to make sure their house numbers are posted and visible. “Now that 9-1-1 is a reality in Guernsey County, it is imperative for the success of the system, that every resident have a house number,” says Barb Hough, supervisor of the map department. “And that number be correct.” Residents are encouraged to check their numbers to see if they are correct. All the master street address guide (MSAG) updates are done in this office. Numbers assigned to east-west roads get larger as the road progresses east, and range from 1000 on the west line of the county to 20,999 on the east line. North-south roads get larger as the road progresses north with 51,000 on the south line of the county to 76,999 on the north line. If an emergency occurs, time is a factor. Residents are asked to place their number at the end of their driveway. Reflective numbering signs are available at the map department. Cost is \$15.00 per sign.



House numbers are a must!

2007 Road Inventory Completed



2007 Mileage Certification

The annual road inventory is now complete. As required by the Ohio Department of Transportation, the county reports all road vacations, new roads, and changes for the entire county annually. The map department meets individually with the trustees of all 19 townships in the county, and records the changes to be reported to ODOT. The infor-

mation includes total mileage, any improvements or changes to surface type, road name or number changes, vacations or new roads to be added. The township receives funding from ODOT based on these figures. The map department maintains 601.62 miles of township roads and 409.58 miles of county roads. There was 1572.80 miles of roadway collected during the centerline project including municipal streets, state routes, state parks and interstate highways.

New Guernsey County Highway Map

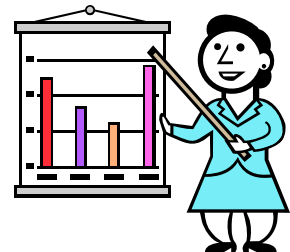
The new 2007 Guernsey County highway map is now available. It has been updated to reflect any changes made since the 2000 highway map was printed. The county map designates subdivisions, interstate highways, state highways, county and township roads. The house numbering range is also included. All roads are named and numbered by using the data maintained by the map department. The detailed map areas of the corporations and villages are also included on the back. The new maps are available at the map department. The cost is \$2.00 each. All proceeds return to the County Engineers office.



Map Department Statistics - 2007

This was another busy year for the Guernsey County Map Department. During 2007, the following activities were reported.

- Deeds/Parcels Checked - 3,294**
- New Parcels - 172**
- New Surveys - 527**
- New and/or Revised Tax Maps - 76**
- 9-1-1 Updates - 80**
- New House Numbers - 90**



**Guernsey County
2007**



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The way we were....

Property descriptions have changed greatly over the years. Along with our conveyance standards, modern equipment has refined the accuracy of land descriptions within the county. We still find an old description now and then. As an example, the following is an actual property description from a deed submitted to the map department for approval:

“Situate in the township of Liberty, County of Guernsey, and State of Ohio and being a part of the Northeast Quarter of the Southeast Quarter of Section Three(3), Township Three(3), of Range Three(3), commencing for the same at a stake at fence above the

so called Hill Road leading from Cambridge to Liberty near three rocks or a large stone; thence North along said fence above the road to a jack oak bush to the line of the lands of Jesse Clark supposed to be about thirty(30 rods, more or less; thence South



Today's survey descriptions held to higher standards

along the West line of said lands of Jesse Clark to the corner supposed to be about twenty rods, more or less; thence on a Northwesterly direction to the place of beginning, supposed to contain and be sixteen(16) rods, more or less. Said tract supposed to contain three-fourths of an acre, more or less.”

With a precision ratio factor of 1/10000, new surveys that are submitted to the map department are helping to refine the current tax maps. There were 527 new surveys submitted in 2007.