

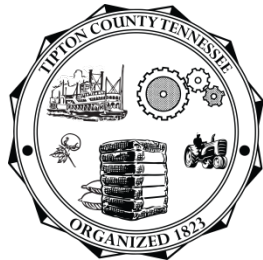
What are your GIS possibilities?

Shawn Anderson, GISP – GIS Director



When it all began.....

- Everything started when Tipton County agreed to be part of the TNBMP in 1999
- 25% Local and 75% State cost sharing (\$110,000)



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Assessor's Office = Lead

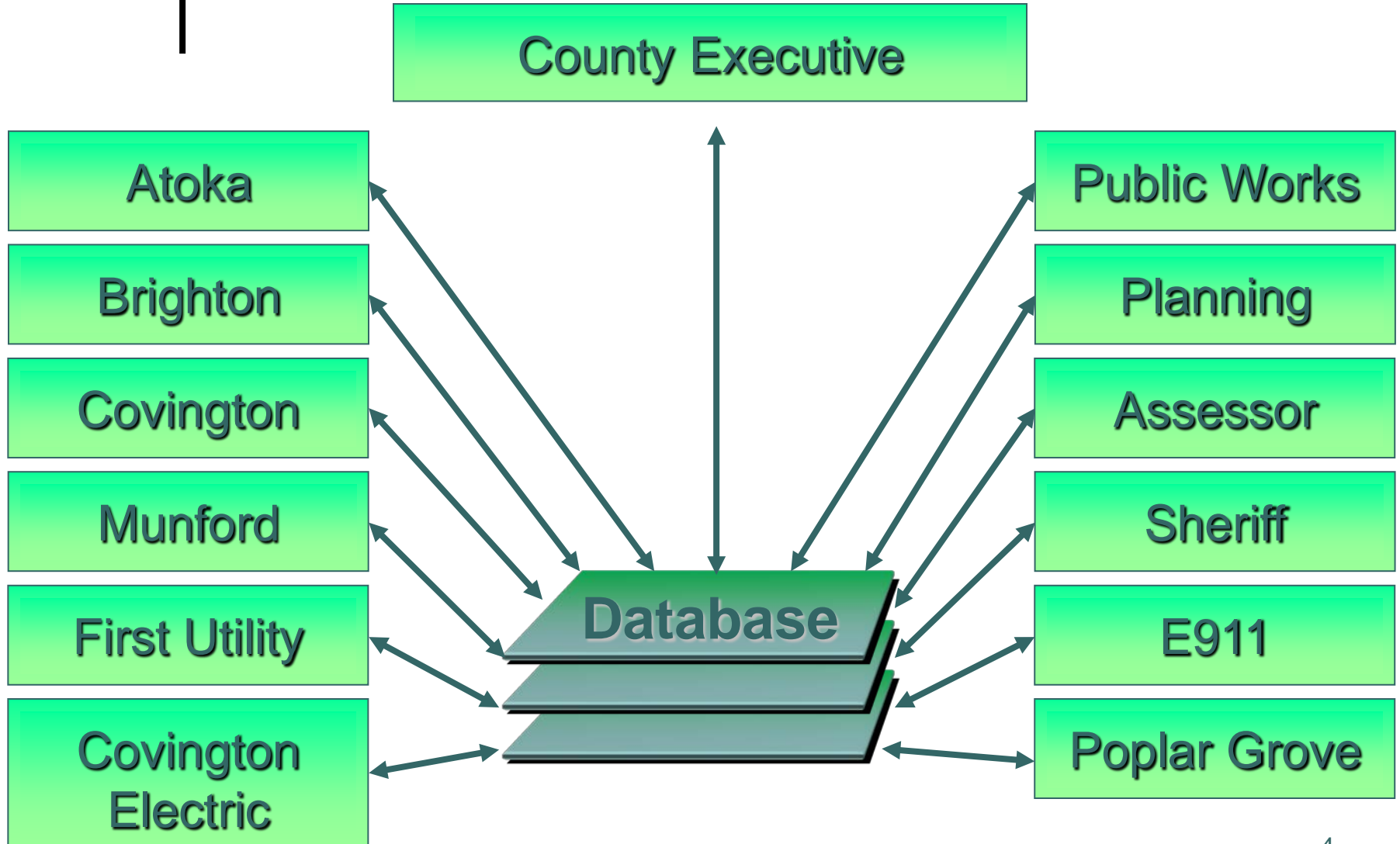
We had two years to get our act together



Benefits of TCGIS

- Data Sharing (Dropbox)
- Data Updates (TCGIS & Dropbox)
- Shared Equipment (GPS unit, Large-Format Printer & Scanner, etc...)
- Technical Assistance (GIS hotline)
- GIS Users Groups (Help each other out)
- Workshops (Training)

TCGIS Board Formed Dec. 2000





TCGIS Board Meetings

We meet on the 3rd Thursday of
January, April, July, & October
(Quarterly meetings)

EMA Building
8629 Highway 51 S
Brighton, TN 38011
12pm

TCGIS Newsletters between Meetings



Goals and Objectives

- Data Maintenance – most accurate and up-to-date data possible
- Data Creation – creating new GIS layers for a growing county
- Data Distribution – easy and secure access to data
- Participant Development and Assistance – helping each other when needs arise
- Community Education – informing the general public who, what, when, where, why and how



Cost Sharing

- County would cover initial costs but we had to develop a cost sharing scheme
- County departments exempt; other members would pay yearly fee
- Non County Board members would contribute \$20,000 yearly (\$33,500 now) and County would cover the rest
- Yearly County GIS budget: \$165,000



GIS Director Hired and Data Received

- GIS Director hired in November 2001
- TNBMP Data received May 2002: 2000 orthophotos, parcels, street centerlines (not intelligent), administrative boundaries, edge of pavement, hydrography and DTM's
- Parcel Data Up-to-Date in October 2002



What Now?

- We have our base data, so what do we do now?
 1. Help Board Members develop a “Niche”
 2. Determine software and online needs
 3. Determine hardware needs
 4. We get the data in their hands
 5. Create an “excitement” for GIS (Tornado 2002)



Board Member “Niche”

County Executive



Authority



Assessor



Base Data

Utilities



Utility

911



Addresses

Planner



Zoning

Public Works



Maintenance

Municipalities



Utility



Software – Board Members

Advanced



\$\$\$

Standard



\$\$

Basic



\$

Website



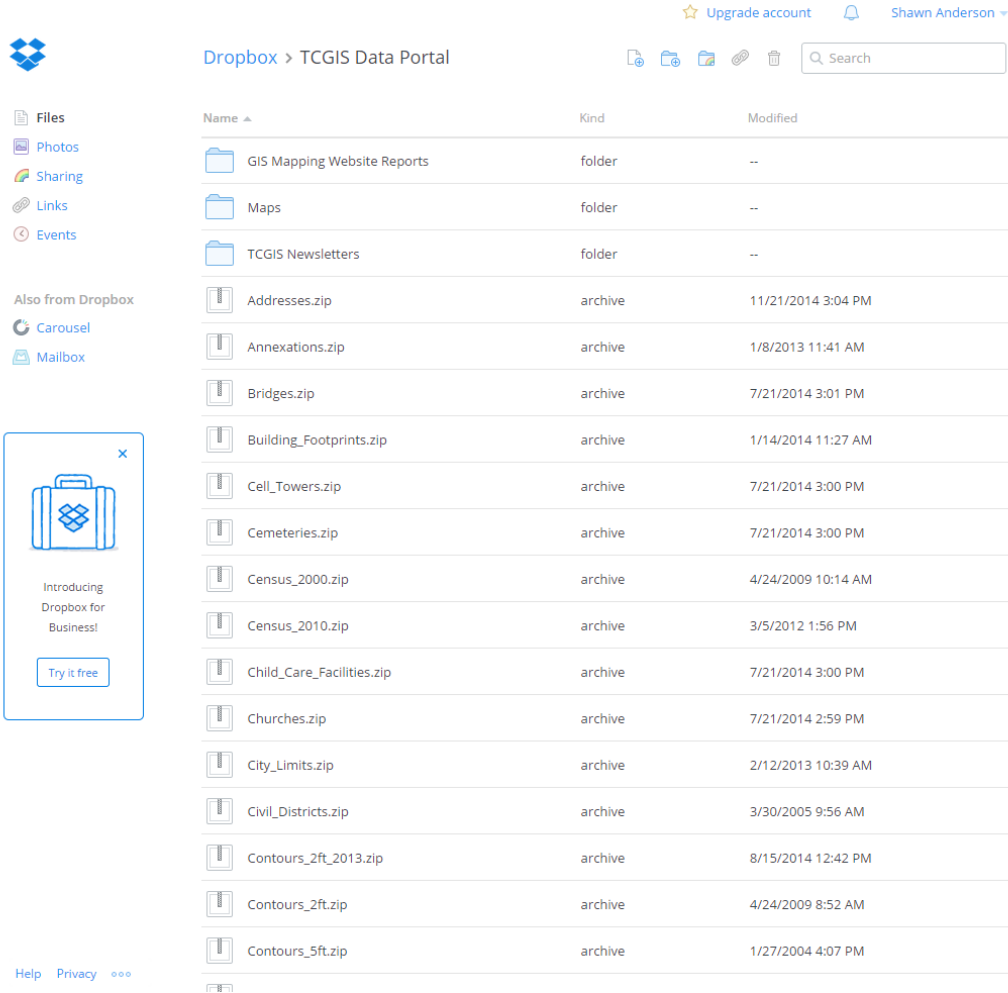
FREE

What do you want to do?

Hardware



Data Distribution - Dropbox



The screenshot displays the Dropbox web interface for a user named Shawn Anderson. The main content area shows a folder named 'TCGIS Data Portal' containing several sub-folders and zip files. The folders are 'GIS Mapping Website Reports', 'Maps', and 'TCGIS Newsletters'. The zip files include 'Addresses.zip', 'Annexations.zip', 'Bridges.zip', 'Building_Footprints.zip', 'Cell_Towers.zip', 'Cemeteries.zip', 'Census_2000.zip', 'Census_2010.zip', 'Child_Care_Facilities.zip', 'Churches.zip', 'City_Limits.zip', 'Civil_Districts.zip', 'Contours_2ft_2013.zip', 'Contours_2ft.zip', and 'Contours_5ft.zip'. Each file entry shows its name, kind (folder or archive), and the date it was last modified.

Dropbox > TCGIS Data Portal

Upgrade account | Shawn Anderson

Search

Name	Kind	Modified
GIS Mapping Website Reports	folder	--
Maps	folder	--
TCGIS Newsletters	folder	--
Addresses.zip	archive	11/21/2014 3:04 PM
Annexations.zip	archive	1/8/2013 11:41 AM
Bridges.zip	archive	7/21/2014 3:01 PM
Building_Footprints.zip	archive	1/14/2014 11:27 AM
Cell_Towers.zip	archive	7/21/2014 3:00 PM
Cemeteries.zip	archive	7/21/2014 3:00 PM
Census_2000.zip	archive	4/24/2009 10:14 AM
Census_2010.zip	archive	3/5/2012 1:56 PM
Child_Care_Facilities.zip	archive	7/21/2014 3:00 PM
Churches.zip	archive	7/21/2014 2:59 PM
City_Limits.zip	archive	2/12/2013 10:39 AM
Civil_Districts.zip	archive	3/30/2005 9:56 AM
Contours_2ft_2013.zip	archive	8/15/2014 12:42 PM
Contours_2ft.zip	archive	4/24/2009 8:52 AM
Contours_5ft.zip	archive	1/27/2004 4:07 PM

Files | Photos | Sharing | Links | Events

Also from Dropbox: Carousel, Mailbox

Introducing Dropbox for Business! Try it free.

Help Privacy

Data Distribution - Public

Tipton County GIS Map Order Form

Order#: _____

Name: _____ Date: _____

Affiliation: _____ Phone Number: _____

Property address/location for map: _____

Approximate area around property needed: _____

Map scale needed (could determine size of map): _____
(if known)

Layers available without manipulation: (please check)

Lines and Text

<input type="checkbox"/>	Roads	<input type="checkbox"/>	2016 NAIP Aerial Photos (1 Meter Color)
<input type="checkbox"/>	Streams	<input type="checkbox"/>	2014 NAIP Aerial Photos (1 Meter Color)
<input type="checkbox"/>	Rivers/lakes	<input type="checkbox"/>	2013 Pictometry (4" City, 9" County, Color)
<input type="checkbox"/>	Census blocks/population	<input type="checkbox"/>	2012 TDOT Aerial Photos (1" Color)
<input type="checkbox"/>	County boundary	<input type="checkbox"/>	2012 NAIP Aerial Photos (1 Meter Color)
<input type="checkbox"/>	Municipality boundaries	<input type="checkbox"/>	2010 NAIP Aerial Photos (1 Meter Color)
<input type="checkbox"/>	Parcels	<input type="checkbox"/>	2008 TDOT Aerial Photos (1" Color)
<input type="checkbox"/>	Contours (5ft / 2ft)	<input type="checkbox"/>	2007 NAIP Aerial Photos (1 Meter Color)
<input type="checkbox"/>	Floodplain	<input type="checkbox"/>	2005 Aerial Photos (6" BW)
<input type="checkbox"/>	Other	<input type="checkbox"/>	2004 NAIP Aerial Photos (1 Meter Color)
		<input type="checkbox"/>	2000 Aerial Photos (6" City, 2' County, BW)
		<input type="checkbox"/>	1997 Aerial Photos (1 Meter BW)

Data manipulation required: _____

Size:	Type:	Quantity:	Total cost:
8.5x11 or 8.5x14	Lines/Text only	(\$1.50 ea)	_____
	Photos	(\$1.50 ea)	_____
11x17	Lines/Text only	(\$3.00 ea)	_____
	Photos	(\$4.00 ea)	_____
18x24	Lines/Text only	(\$5.00 ea)	_____
	Photos	(\$6.00 ea)	_____
24x36	Lines/Text only	(\$9.00 ea)	_____
	Photos	(\$12.00 ea)	_____
36x48	Lines/Text only	(\$20.00 ea)	_____
	Photos	(\$24.00 ea)	_____
36x60	Lines/Text only	(\$25.00 ea)	_____
	Photos	(\$30.00 ea)	_____

Data manipulation over 1/2 hour (add \$10 per layer) _____

*NOTE: Maps requiring more than 60% coverage will be charged as photos.

Total:

Form of Payment _____

(Please make checks payable to: Tipton County GIS)

WE WILL CONTACT YOU WHEN YOUR ORDER IS READY.
PROJECT COMPLEXITY AND VOLUME OF REQUESTS WILL DETERMINE COMPLETION TIME.

Tipton County Digital Data Sales

220 Highway 51 N, Ste 3

Covington, TN 38019

901.476.0234

sanderson@tiptonco.com

CADASTRAL

Parcels (includes attribute field information such as owner, address, ect.) - \$1,500

AERIAL PHOTOGRAPHY

2016 Mr SID Color NAIP 1 Meter Pixel - \$45

2014 Mr SID Color NAIP 1 Meter Pixel - \$45

2013 Mr SID Color 9" Pixel - \$300

2012 Mr SID Color NAIP 1 Meter Pixel - \$45

2010 Mr SID Color NAIP 1 Meter Pixel - \$45

2008 Mr SID Color NAIP 1 Meter Pixel - \$45

2007 Mr SID Color NAIP 1 Meter Pixel - \$45

2005 Mr SID BW 6" - \$45

2004 Mr SID Color NAIP 1 Meter Pixel - \$45

2000 Mr SID BW 2' Pixel - \$45

1997 Mr SID BW 1 Meter Pixel - \$45

Data is Delivered via Dropbox, Add \$25 if on CD or DVD

All Data Files are in Shapefile Format Except for Raster

Data Projection: TN State Plane NAD 83 in Feet

CUSTOM PRODUCTS:

\$45/hour, 1 hour minimum, Contact TCGIS Office at 901-476-0234 for details

OTHER DATA CAN BE DOWNLOADED FOR FREE BY USING THE
UNIVERSITY OF MEMPHIS CAESER GEOPORTAL AT

<https://geoportals.memphis.edu/>



Triumps

- Started early
- Communication with all parties
- Secured support from bottom and top
- GIS Board composed of users and not just elected officials
- Reduced costs (grants, sharing equipment, etc...)



Bumps in the Road

- A true enterprise GIS takes time (20 years.....)
 1. Most agencies love the technology but are slow to embrace it
 2. Mapping takes effort and analysis even longer
- Little revenue will be realized directly from GIS, most benefits are indirect



Summary

- By using GIS, we have redefined our work flow and expanded our geographic knowledge
- Data sharing and a group effort helps all local government agencies – saves money and effort
- We make better decisions by having the whole picture in front of us



Tipton County GIS

GEOSPATIAL REVOLUTION

NEVER IN THE HISTORY OF MANKIND HAS
GEOSPATIAL INFORMATION PLAYED
SUCH A PIVOTAL ROLE IN ALMOST
EVERYTHING WE DO. IT'S CHANGING THE
WAY WE THINK, BEHAVE AND INTERACT.



Questions???

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Tipton County GIS Director

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