

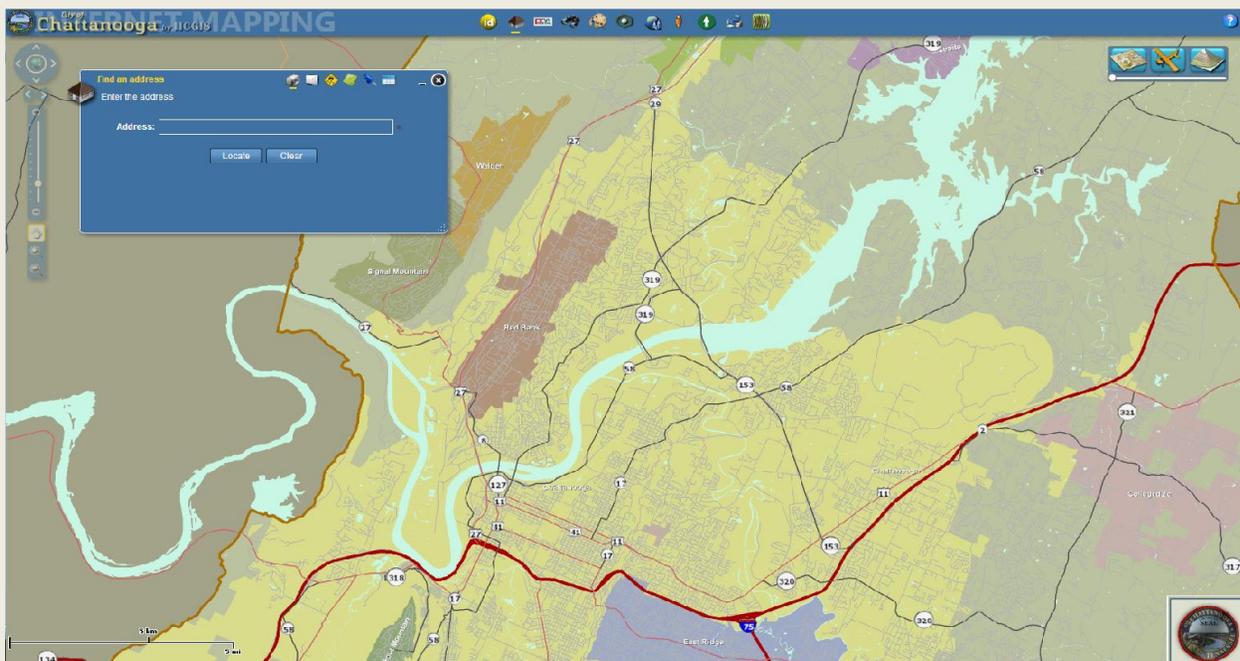
## Mapping Website Help

### Step-by-Step Walkthrough

The first screen you see as you enter the online mapping site is a disclaimer that reads:

*“By clicking the button below, you acknowledge that the data contained in the Geographic Information System (GIS) is subject to constant change and that its accuracy cannot be guaranteed. All data are provided as is, with all faults, and without warranty of any kind, either express or implied, including, but not limited to, the implied purpose. Hamilton County does not warrant that the GIS data will meet your requirements nor that the operation of the GIS data will be uninterrupted and error free. User assumes the entire risk as to the quality, performance, and usefulness of the data. However, the County has devoted several work years to the task of compiling and checking the data. The zoning data is for general reference only. Recent zoning changes may not be posted. The zoning map posted on this web site is not an official map and is not to be used for zoning verification. Verify all zoning with the Chattanooga-Hamilton County Regional Planning Agency staff at (423) 668-2287.”*

After reading the disclaimer, you have a choice to click the check box not to see this message again or just click agree. By clicking agree, you are agreeing that you read and understood the disclaimer. You can also click on the "Disagree" button which will not allow you onto the mapping website, but will redirect you to the Hamilton County homepage. The Home button will take you to the Hamilton County GIS homepage. If you agree, press the button and your screen should then look like this:



The City of Chattanooga is outlined in the middle of the screen in yellow. In the top of the screen you will notice a toolbar with several icons. To further understand the toolbar, we will break down the tools one by one.



First is the slider bar feature as shown here: This feature allows the map user to slide their map view from the general basemap, to the aerial photography and finally to the topography map. The slider works in both directions. Simply move your mouse pointer over the silver ball and click, holding the right mouse button down while sliding the ball either left or right. You will notice the map display changing as you slide the silver ball underneath each of the three icons.



**Base Map** - Click to see parcel lines, addressing, building footprints, roads, waterways etc.



**Aerial Photography** - Click to activate an aerial picture of the County.



**Topography** - Click to see contour lines which give you the height of the objects on the map labeled in 10 foot intervals.

Now, direct your attention to the top center of the page. There you will see a list of tools to choose from that looks like this:



Click this identification button and then click the parcel you want more information on to open up the Assessor of Property's data. This will include (where available):

- Tax map number
- LU Code (land use code)
- Street address
- Sales information
- All owners' names
- Political district
- Deed book numbers
- Calculated acres



**Point** - Click the point button and click anywhere within parcel you want to identify



**Polygon** - Click a parcel of interest and continue clicking vertices to outline a polygon that covers the parcels you are interested in. Double click to finish the drawing. Your results will include any parcel touched by the polygon you draw and will display in the identify box.

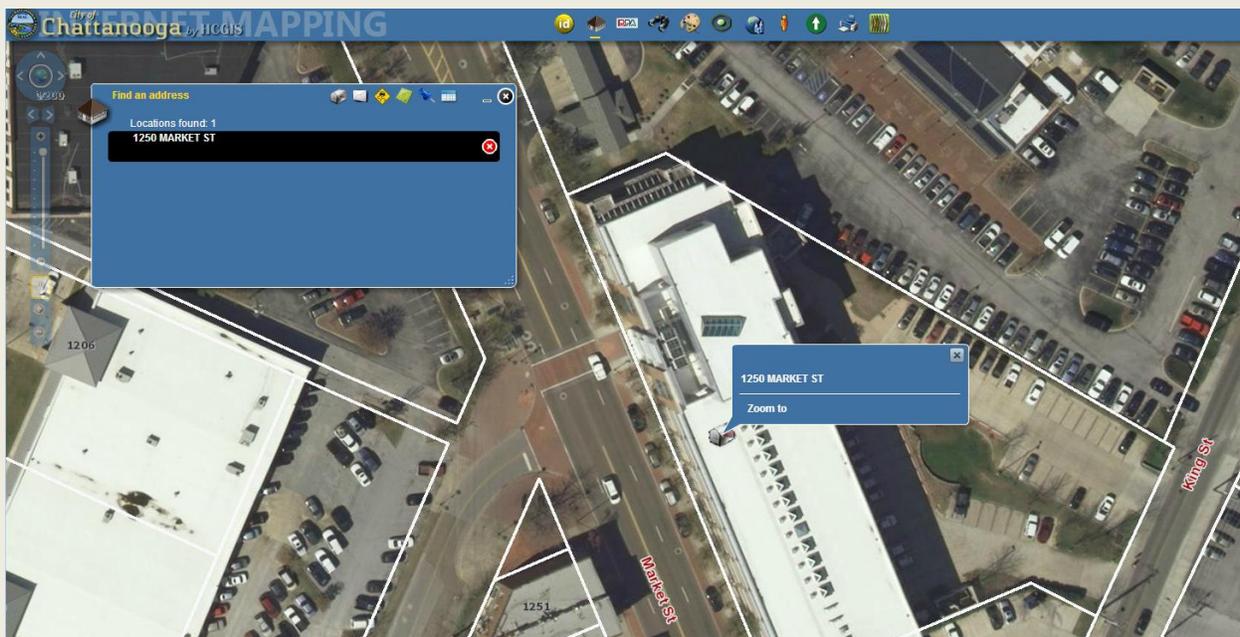


**Trash** - If you would like to clear the results of your identifications, click this trash symbol. Remember, this deletes all identifications you have made and there is no undo button.



**Address Locator Tool** – This tool automatically opens when you open the mapping website. It allows you to search for any property in Hamilton County by address.

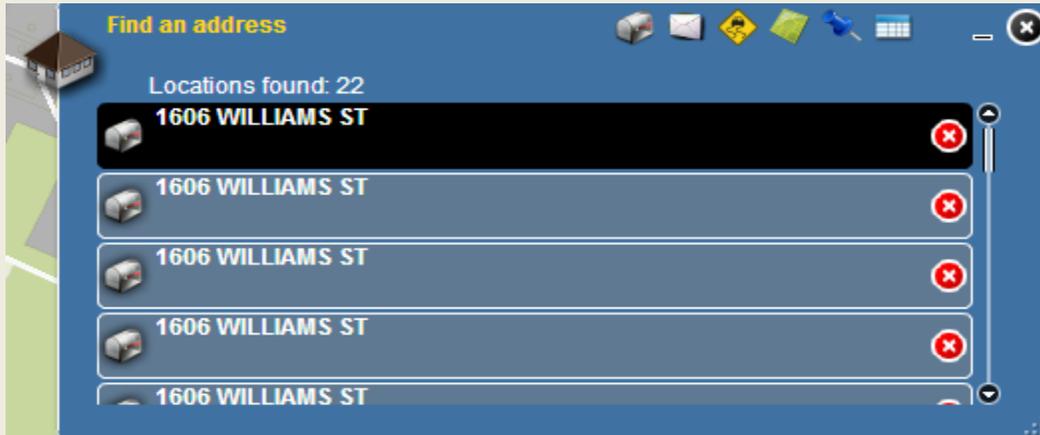
Fill in the address you want information about in the light gray box. Make sure to enter all available information such as the house or business number and FULL street name including any directional (North, South, East or West) or road types (Road, Drive, Circle, etc) to get the best results. Click the “Locate” button when all of your information is entered. When the results for your address search are in, the map will automatically zoom to the address you entered if it is a valid address.



If it is invalid, the message box will read “No features found”. In this case, look at your information again to be sure you entered it correctly. Check the address number, the road name spelling and the road type. Click the mailbox symbol in the upper left-hand corner of the message box to go back to the address locator information entry screen and try again.

If your address is valid, you may see more than one result in the address locator that closely resembles your search criteria, but are not the exact match. These are suggestions our system has made based on the information you

provided. It is given a score according to how closely it relates to the original search criteria. For example, I entered 1250 Market Street into the address locator tool in the address field. I clicked locate and got these results:



1250 Market Street came back with several results, however only one is an exact match. 1251 Market Street is the second result because only part of the result matched the search criteria.



Click this RPA button and then click the parcel you want zoning information on. Also, there is a drop down in the Zoning Type for Historic Cases. Just click on the dot located on the map for each historic case.



If you are unsure of the exact address of the property you are looking for you can click the search tool shown here. This allows you to enter the a street name, tax map number or the owner's name. When entering the street name, be sure only to enter the name and not the type. For example, enter "Main" not "Main Street" and then use the up and down arrows on the side of the screen to search for the section of that street that you need. To search for a new street, tax map number or owner, click on the binoculars in the top of the message box. To exit or

minimize, click . To maximize again, click the binoculars shown here .



The draw and measure tool is the most comprehensive tool which contains the following functions:



**Point** - Click the point button and hold mouse button down for every new point.



**Line** - Click the line button, individually click each vertex you would like to connect your line and double click when finished. Lines can be measured in your choice of feet, meters, yards kilometers or miles.



**Freehand line** - Click the freehand line button and click the map where you would like to start your line. Hold the mouse button until you finish the line. Release the mouse to finish. Lines can be measured in your choice of feet, meters, yards, kilometers or miles.



**Rectangle** - Click the freehand button and click the map where you would like to start your line. Hold the mouse button until you finish the line. Release the mouse to finish. Rectangles can be measured in area units of square miles, kilometers, yards meters or feet or acres and hectares. They can be measured in distance by feet, meters, yards, kilometers or miles.



**Circle** - Click the freehand button and click the map where you would like to start your line. Hold the mouse button until you finish the line. Release the mouse to finish. Circles can be measured in area units of square miles, kilometers, yards meters or feet or acres and hectares. They can be measured in distance by feet, meters, yards, kilometers or miles.



**Ellipse** - Click the freehand button and click the map where you would like to start your line. Hold the mouse button until you finish the line. Release the mouse to finish. Ellipses can be measured in area units of square miles, kilometers, yards meters or feet or acres and hectares. They can be measured in distance by feet, meters, yards, kilometers or miles.



**Polygon** - Click a parcel of interest and continue clicking vertexes to outline a polygon that covers the parcels you are interested in. Double click to finish the drawing. Polygons can be measured in area units of Square miles, kilometers, yards meters or feet or acres and hectares. They can be measured in distance by feet, meters, yards, kilometers or miles.



**Freehand Polygon** - Click and hold down the left mouse button until your shape is completed. Freehand polygons can be measured in area units of square miles, kilometers, yards meters or feet or acres and hectares. They can be measured in distance by feet, meters, yards, kilometers or miles.



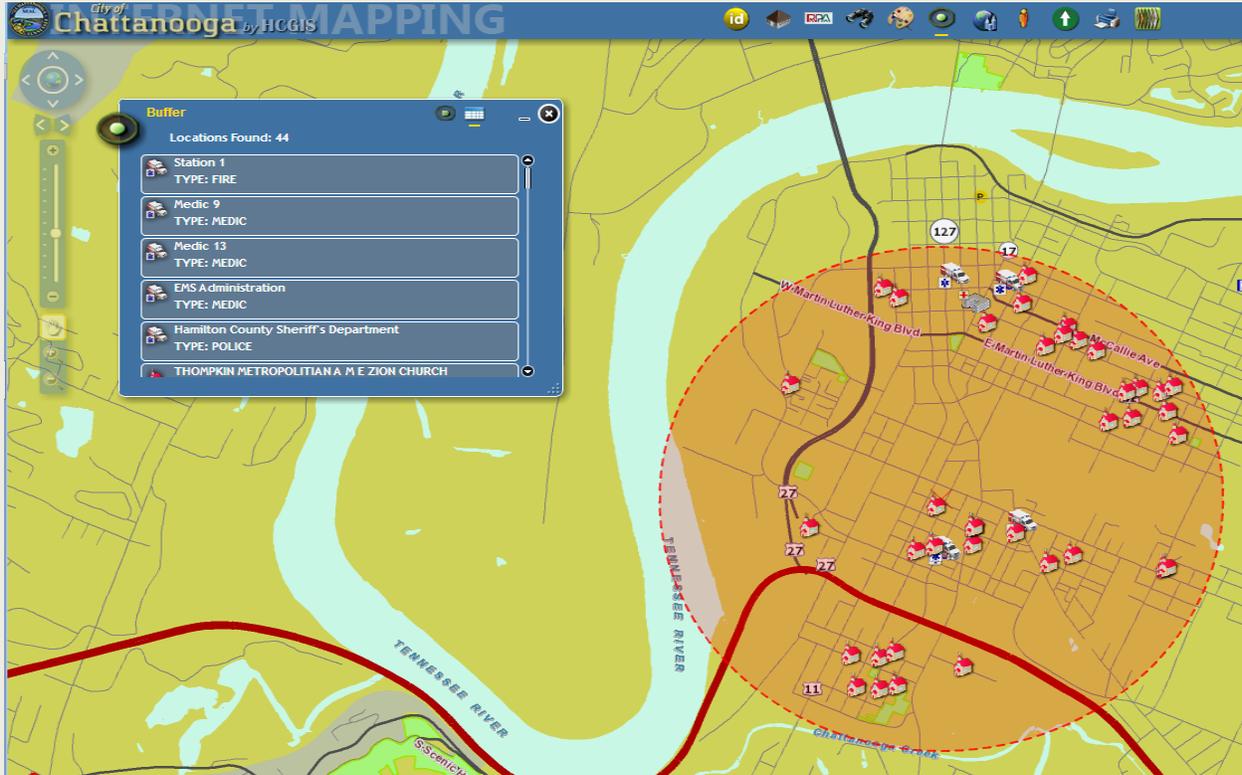
**Text Box** - Click the text button and type the text you would like to display on the map in the light gray box that says "enter text". Choose the font size you need as well as the color. Then, click on the map where you would like the text to display. Every time you click the map the text will display again and again identically until you change it in the text box or use another tool.

All of these drawing features are added to the top of the map. You can draw more than one on the same area and use different tools for each if you like. Remember, if you do not want the drawings on the map press "clear drawings" to remove **ALL** drawings at once. This is an execute button with no option to back out. Once it is pressed, all drawings are gone and non-retrievable (there is no undo ability within this mapping program).

**OPTIONS:** With each tool comes different options like line width, labels, line styles and units of measurement. Be sure to set these options before you make your drawing or measurement.



The buffer tool lets you create a custom buffer in your choice of miles or feet for measurement units. The resulting area can include features of interest such as Emergency Services Locations, Religious Facilities, Healthcare Facilities and/or Schools. Any, all or none of these may be chosen to appear in your buffer results.



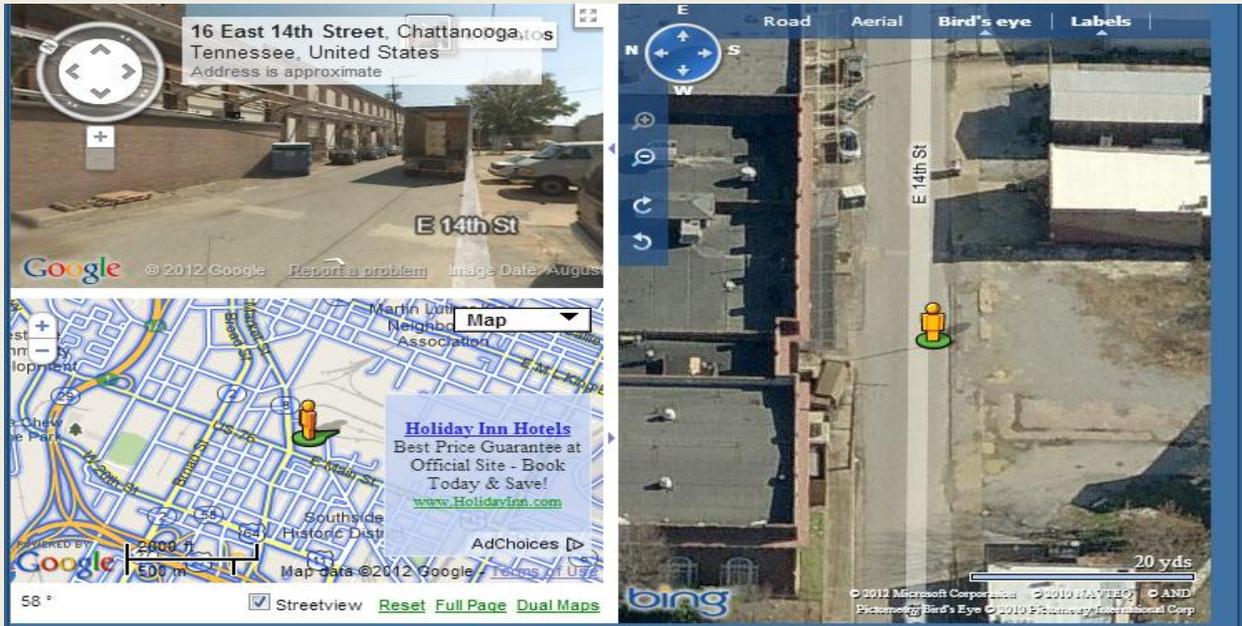
Simply click this tool and then click the location on the map where you would like to see a "bird's eye view" of the property. Services provided by Bing immediately redirect you directly to Bing.com and allow full manipulation of the image. Rotating the image, looking at the Bing aerial imagery and zooming in and out are just some of the ways you can look at the desired area.



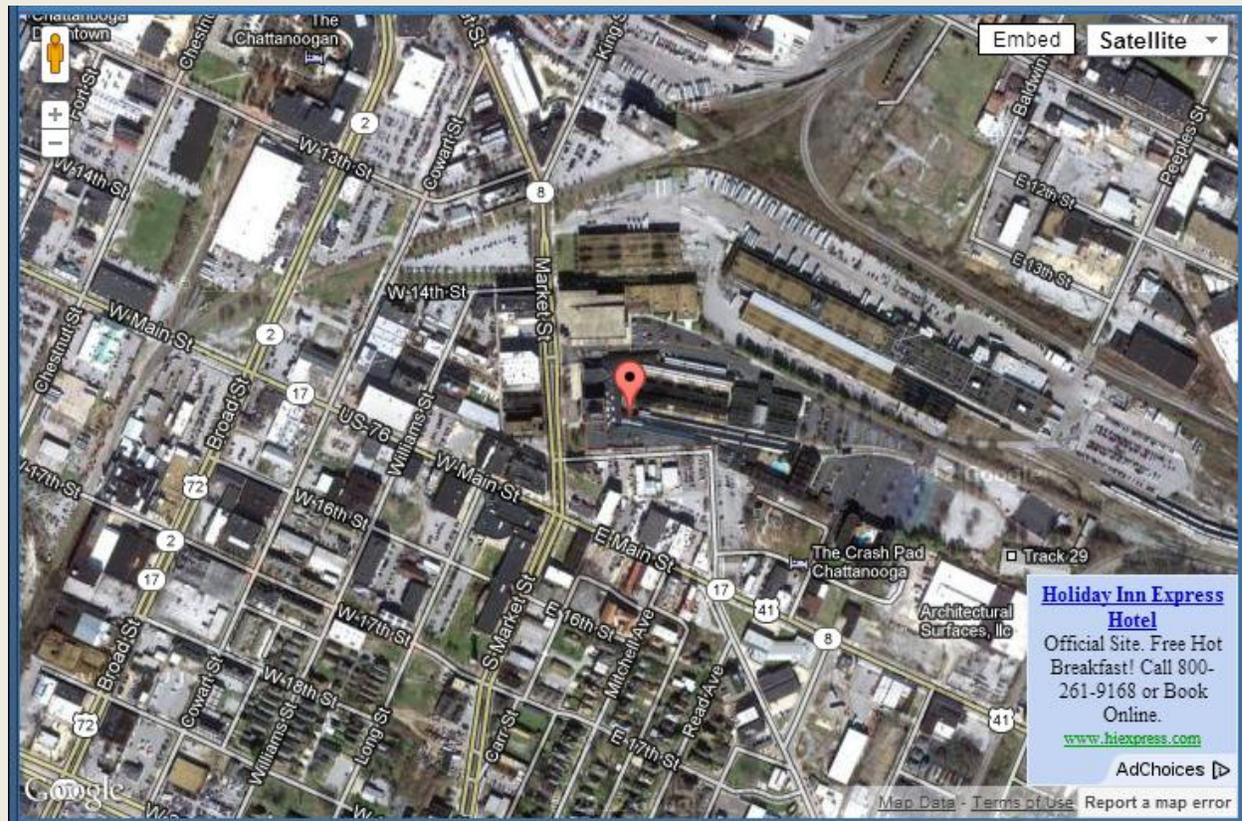
If you would like to see the property or area you are interested in as viewed by a passing car, click on this Google Street View button and then click the parcel of interest. You can navigate through the neighborhood or area by moving frame by frame through the streets. Most areas within Hamilton County are included in Google Street View with the exception of a few private roads or new roads. This is useful in determining the placement of driveways, fencing, etc. There are four options:



Dual Viewer:



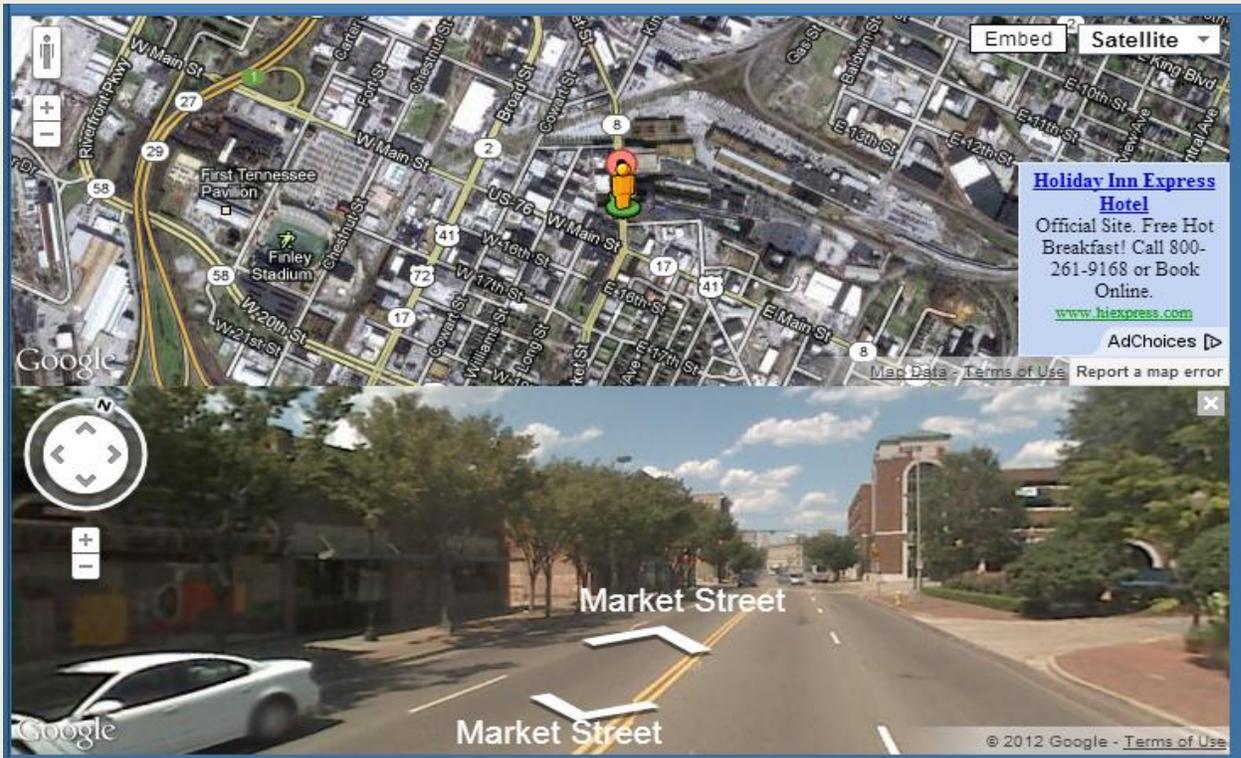
Google map:



Street View Only:



Street View - Google Map:

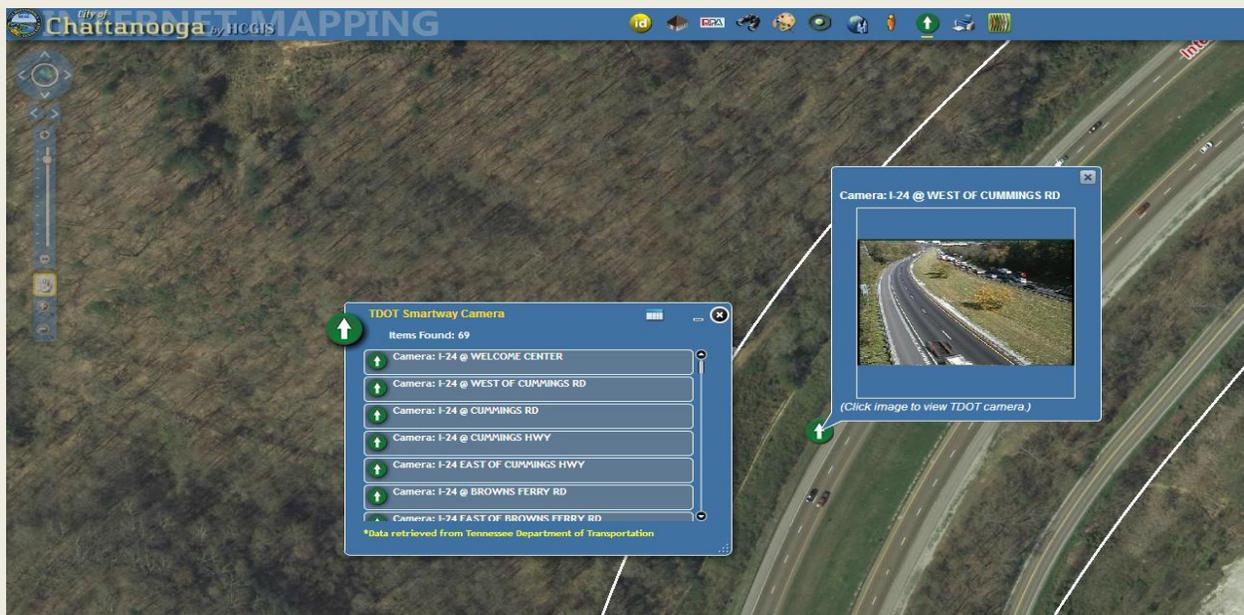




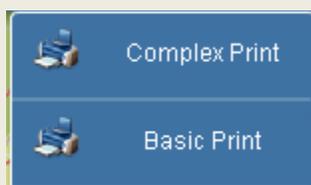
The TDOT (Tennessee Department of Transportation) tool allows you to instantly connect to the local traffic cameras provided as a service by the State of Tennessee. When you click the tool, a screen pops up:



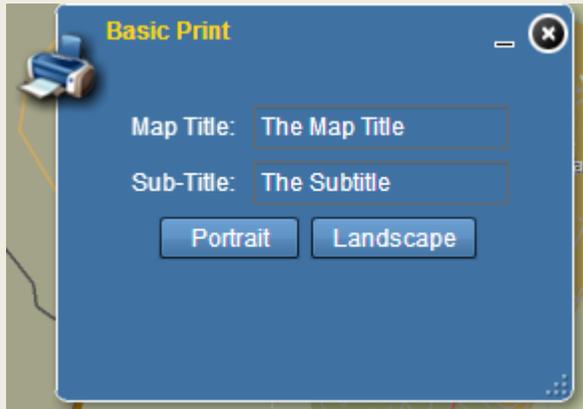
Choose a camera and it will zoom to that location with a live feed from the traffic camera in a new window like this:



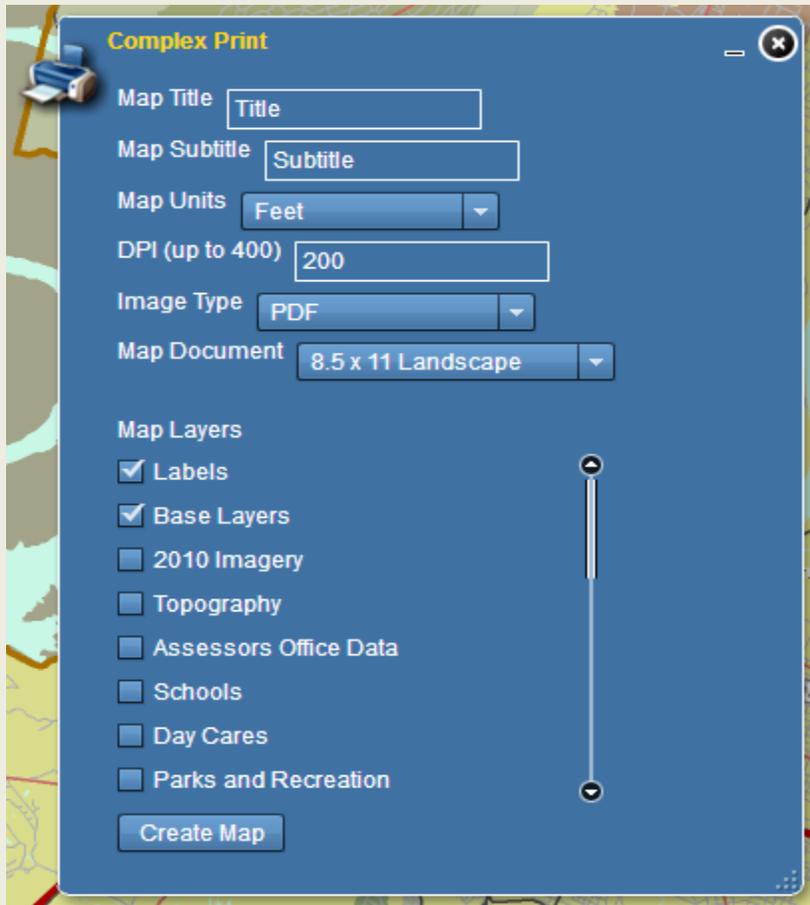
The print tool prints the map you have created just as you see it on your screen. There are two options:



*In Basic Print, you will be given the following options:*



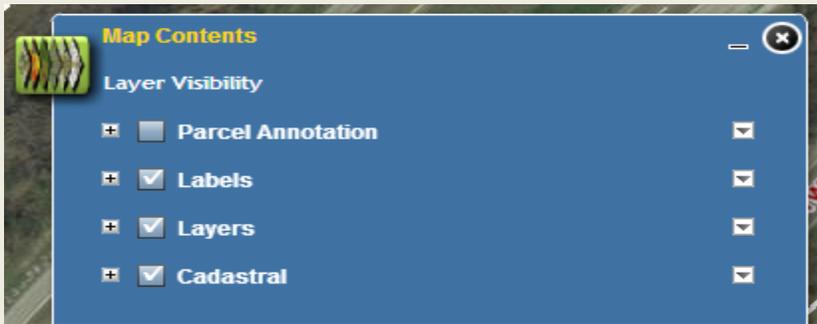
*In Complex Print, you will be given the following options:*



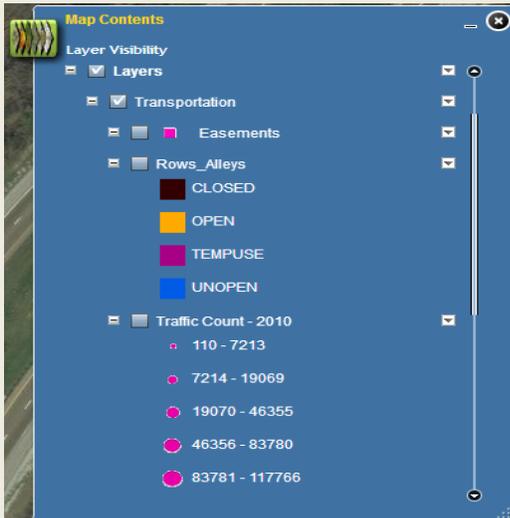
*\*Note: The Assessor of Property's information message box that appears after you click the ID tool will not print out. Any tool symbols that are on the map from selecting those parcels to use with that tool will print out so be sure to deactivate the tools before you print. If you have used the "draw" tool and would like to print that drawing, be sure to use the Basic Print option.*



*Map Layers Tool – This allows you to change the properties of the map layers you have turned on. When you click on it, a message box appears:*

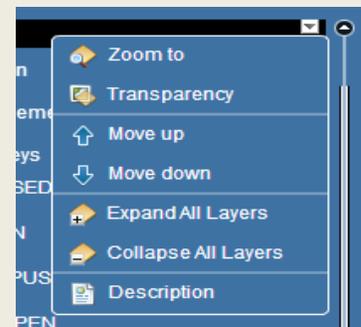


*If you click on the plus sign to the left of any of the items in this box, you will open the item and be able to see each feature within it. Additionally, the gray box to the left of any item will have a checkmark in it  if it is turned on and will be a plain gray box  if it is not active. In the message box, Labels and Transportation are active as you can see by the three check marks to their left. Easements, Rows\_Alleys and Traffic Count are inactive.*



*Within this message box, you have the ability to turn on different layers such as Zoning, Administrative areas (Municipal boundaries), Political boundaries, Traffic counts, FEMA Flood Data, Subdivisions, and etc. Some of these layers have multiple parts within themselves also that you can see by clicking the plus sign to the left of them and opening their dropdown menu. There is also a legend of contents included in the box. Color-coded symbols help you read the map more accurately.*

*The "Zoom To" option zooms in to the information. The "Transparency" option changes the color concentration of the layers you have turned on (zoning, etc) and shows more of the base layer. In the top right hand corner of this message window, you will see an icon that looks like this: Clicking on this icon allows the map user to view these options:*





Here you can see the building footprints and roads showing through below the FEMA flood layer as a result adjusting the percentage of transparency to about 50% with the slider bar.

The website now offers the capability to hover over an inactive tool at make it become active. For example, the scale, north arrow, pan, zoom and full extent tool are all located on the upper left-hand corner of the map. They are almost completely transparent so that they do not interfere with the map presentation. However, when needed just move the mouse pointer over the tool and it becomes apparent and active like so:



**Inactive**



**Active**

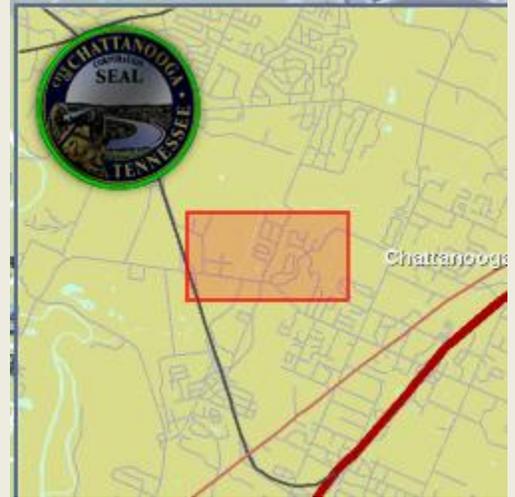
When activated, you can click arrows around the globe icon to pan the map in that direction. The scale displayed at the bottom left of the screen can be changed by clicking on the (+) or (-) signs on the toolbar, rolling your mouse

ball up or down or by sliding the silver ball up and down the tool bar. If you click on the globe symbol in the middle of the arrows, you will immediately be taken out to the full extent (largest scale) map of the entire county.



Another similar feature that hides itself away is the overview map. If you look in the lower right-hand corner of the map display you will see a the Hamilton County Seal symbol out lined in **RED** to indicate that it is turned off. When you click the seal, it expands and has a **GREEN** outline to indicate that it is active.

It automatically updates by refreshing when you pan on the main map. To close this window and return it to just the County seal, click on the County seal outlined in **GREEN**.



The interactive help button in the top right-hand corner provides a legend of symbology (a tools description page) and the Step-by Step walkthrough for the website.

This website was created for The City of Chattanooga by the Hamilton County GIS Department. Please visit the Hamilton County GIS website at <http://gis.hamiltontn.gov/> This link will provide you with any additional information that you may need regarding the website or any other service we provide.

Please feel free to call our office Monday through Friday 8:00 AM until 4:30 PM Eastern at 423-209-7760. Any of our staff will be happy to assist you. Thank you for visiting the Chattanooga mapping website. We welcome any suggestions or comments you may have.

**Hamilton County G.I.S. Department**

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**HCGIS**  
putting hamilton county on the map