

## **Tennessee Base Mapping Program Cost Recovery and Product Price Sheet**

Tennessee Code Annotated 10-7-506 provides the foundation for the State to develop appropriate GIS data cost recovery policies. The following product listing and pricing structure was developed in accordance with this statute. The goal is to provide specific information on how to acquire and/or purchase GIS data developed through the Tennessee Base Mapping Program.

### **Background:**

The Department of Finance and Administration, Strategic Technology Solutions (STS) GIS Services has completed the development of a comprehensive statewide digital base map for Tennessee. Initial statewide data production was completed in July 2007. The primary data products associated with this program consist of digital ortho photography, digital terrain models, and cadastral (property ownership) data, and other planimetric features.

### **GIS Data Specifications, Formats, and Unit Cost**

#### ***Base Mapping Digital Orthophoto Specifications***

- The 1:15,000-scale photography was used to produce digital color orthophoto sheets that are 1:2400 (1" = 200') scale with dimensions of 14,000' (East-West) by 8,000' (North-South). Each orthophoto has a ground pixel resolution of 1.0' x 1.0'.
- The digital orthophotos have a horizontal accuracy of +/- 2 pixels RMSE and are delivered as uncompressed GeoTIFF files.
- In addition to the uncompressed GeoTIFF files, all orthophotos for a county are compressed using the multiresolution seamless image format (MrSID). Imagery was processed using a target compression of 20:1.

#### ***File Naming Convention and County Production Schedule***

The file naming convention for digital ortho files are as follows:

1" = 400' scale digital orthophoto sheets are named with five characters, the first two representing the county code and the next three being the 400-scale sheet number.

EXAMPLE: The ortho image file for Map Sheet 34 in Maury County would be named 60034.TIF.

1" = 100' scale digital orthophoto sheets will be named with six characters, the first two representing the county code, the next three the 1" = 400' scale sheet, and the alpha character identifying the 1" = 100' scale sheet.

EXAMPLE: The ortho image file for Map Sheet 112A in Montgomery County would be named 63112A.TIF.

1" = 400' scale digital MrSID mosaic will be named with six characters, the first two representing the county code, an underscore character, and "400", denoting the 1"=400' scale mosaic.

EXAMPLE: The MrSID in Maury County would be named 60\_400.SID & 60\_400.SDW (MrSID world file).

### County Mosaic Ortho Imagery Fee Schedule

COUNTY NAME	Delivery Date	Map Sheets	Price/sheet	County Total
Anderson	2016	118	\$50.00	\$ 5,900.00
Bedford	2018	146	\$50.00	\$ 7,300.00
Benton	2017	143	\$50.00	\$ 7,150.00
Bledsoe	2019	134	\$50.00	\$ 6,700.00
Blount	2016	178	\$50.00	\$ 8,900.00
Bradley	2019	106	\$50.00	\$ 5,300.00
Campbell	2016	155	\$50.00	\$ 7,750.00
Cannon	2019	94	\$50.00	\$ 4,700.00
Carroll	2017	183	\$50.00	\$ 9,150.00
Carter	2016	119	\$50.00	\$ 5,950.00
Cheatham	2018	108	\$50.00	\$ 5,400.00
Chester	2017	100	\$50.00	\$ 5,000.00
Claiborne	2016	137	\$50.00	\$ 6,850.00
Clay	2019	91	\$50.00	\$ 4,550.00
Cocke	2016	144	\$50.00	\$ 7,200.00
Coffee	2019	145	\$50.00	\$ 7,250.00
Crockett	2017	96	\$50.00	\$ 4,800.00
Cumberland	2019	210	\$50.00	\$ 10,500.00
Davidson	2018	171	\$50.00	\$ 8,550.00
Decatur	2017	121	\$50.00	\$ 6,050.00
DeKalb	2019	109	\$50.00	\$ 5,450.00
Dickson	2018	151	\$50.00	\$ 7,550.00
Dyer	2017	165	\$50.00	\$ 8,250.00
Fayette	2017	203	\$50.00	\$ 10,150.00
Fentress	2019	160	\$50.00	\$ 8,000.00
Franklin	2019	163	\$50.00	\$ 8,150.00
Gibson	2017	181	\$50.00	\$ 9,050.00
Giles	2018	191	\$50.00	\$ 9,550.00
Grainger	2016	111	\$50.00	\$ 5,550.00
Greene	2016	193	\$50.00	\$ 9,650.00
Grundy	2019	114	\$50.00	\$ 5,700.00
Hamblen	2016	69	\$50.00	\$ 3,450.00
Hamilton	2019	178	\$50.00	\$ 8,900.00

Hancock	2016	78	\$50.00	\$ 3,900.00
Hardeman	2017	197	\$50.00	\$ 9,850.00
Hardin	2017	176	\$50.00	\$ 8,800.00
Hawkins	2016	164	\$50.00	\$ 8,200.00
Haywood	2017	157	\$50.00	\$ 7,850.00
Henderson	2017	164	\$50.00	\$ 8,200.00
Henry	2017	179	\$50.00	\$ 8,950.00
Hickman	2018	185	\$50.00	\$ 9,250.00
Houston	2018	78	\$50.00	\$ 3,900.00
Humphreys	2018	170	\$50.00	\$ 8,500.00
Jackson	2019	102	\$50.00	\$ 5,100.00
Jefferson	2016	106	\$50.00	\$ 5,300.00
Johnson	2016	103	\$50.00	\$ 5,150.00
Knox	2016	172	\$50.00	\$ 8,600.00
Lake	2017	81	\$50.00	\$ 4,050.00
Lauderdale	2017	170	\$50.00	\$ 8,500.00
Lawrence	2018	182	\$50.00	\$ 9,100.00
Lewis	2018	95	\$50.00	\$ 4,750.00
Lincoln	2018	169	\$50.00	\$ 8,450.00
Loudon	2016	87	\$50.00	\$ 4,350.00
Macon	2018	95	\$50.00	\$ 4,750.00
Madison	2017	169	\$50.00	\$ 8,450.00
Marion	2019	163	\$50.00	\$ 8,150.00
Marshall	2018	125	\$50.00	\$ 6,250.00
Maury	2018	190	\$50.00	\$ 9,500.00
McMinn	2019	138	\$50.00	\$ 6,900.00
McNairy	2017	174	\$50.00	\$ 8,700.00
Meigs	2019	93	\$50.00	\$ 4,650.00
Monroe	2016	206	\$50.00	\$ 10,300.00
Montgomery	2018	163	\$50.00	\$ 8,150.00
Moore	2018	56	\$50.00	\$ 2,800.00
Morgan	2016	165	\$50.00	\$ 8,250.00
Obion	2017	164	\$50.00	\$ 8,200.00
Overton	2019	137	\$50.00	\$ 6,850.00
Perry	2018	138	\$50.00	\$ 6,900.00
Pickett	2019	67	\$50.00	\$ 3,350.00
Polk	2019	138	\$50.00	\$ 6,900.00
Putnam	2019	137	\$50.00	\$ 6,850.00
Rhea	2019	116	\$50.00	\$ 5,800.00
Roane	2016	130	\$50.00	\$ 6,500.00
Robertson	2018	142	\$50.00	\$ 7,100.00
Rutherford	2018	196	\$50.00	\$ 9,800.00
Scott	2016	162	\$50.00	\$ 8,100.00
Sequatchie	2019	96	\$50.00	\$ 4,800.00
Sevier	2016	184	\$50.00	\$ 9,200.00
Shelby	2017	236	\$50.00	\$ 11,800.00
Smith	2018	108	\$50.00	\$ 5,400.00

Stewart	2018	150	\$50.00	\$ 7,500.00
Sullivan	2016	142	\$50.00	\$ 7,100.00
Sumner	2018	172	\$50.00	\$ 8,600.00
Tipton	2017	157	\$50.00	\$ 7,850.00
Trousdale	2018	48	\$50.00	\$ 2,400.00
Unicoi	2016	74	\$50.00	\$ 3,700.00
Union	2016	86	\$50.00	\$ 4,300.00
VanBuren	2019	90	\$50.00	\$ 4,500.00
Warren	2019	135	\$50.00	\$ 6,750.00
Washington	2016	111	\$50.00	\$ 5,550.00
Wayne	2018	221	\$50.00	\$ 10,050.00
Weakley	2017	181	\$50.00	\$ 9,050.00
White	2019	124	\$50.00	\$ 6,200.00
Williamson	2018	182	\$50.00	\$ 9,100.00
Wilson	2018	182	\$50.00	\$ 9,100.00

**Year Totals:**

Total 2016-17(East): \$159,700.00

Total 2017-18(West): \$175,250.00

Total 2018-19(Middle): \$184,300.00

Total 2019-20(Cumberland): \$152,000.00

4 year Statewide Total: \$671,250.00