



**State of Tennessee
Department of Finance and Administration
Office For Information Resources
GIS Services**

**Enhanced Street Centerline Cost Recovery and
Product Price Sheet
(effective 1-1-2009)**

Tennessee Code Annotated 10-7-506 provides the foundation for State and local government agencies 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 the general public and private business can acquire and/or purchase GIS data developed through the Tennessee Base Mapping Program.

Background:

The Department of Finance and Administration, Office for Information Resources (OIR) GIS Services has completed the development of an enhanced statewide street centerline digital base map for Tennessee. The initial production effort is based on a contract between F&A OIR GIS Services and the State Emergency Communications Board and includes spatial realignment and address enhancement of data created through the Tennessee Base Mapping Program. Under the terms of this contract OIR GIS Services is responsible for maintaining a standardized statewide GIS database to facilitate data sharing between the State and emergency communication districts to support public safety requirements of which OIR GIS Services is making a subset of the digital street centerline data available for purchase.

Cost Recovery Policies:

1. The data products referenced in this document reflect only a subset of the complete digital data developed through the Tennessee Base Mapping Program (TNBMP) and do not reflect the comprehensive suite of digital data (ortho imagery, digital terrain models, parcels, and planimetrics) provided to local government established through State contracts.
2. The State is continuing to pursue partnership development at the local level and will enter into contracts with local government for the complete set of basic data products identified in the Base Mapping Technical Specifications found at <http://gis.state.tn.us/mapping.html>.
3. The enhanced, statewide street centerline data was originally compiled from TNBMP source data and real property data extracted from the Comptroller of the Treasury's Computer Assisted Appraisal System (CAAS) database. Updates to the enhanced street centerline dataset are sourced from the Comptroller's Office, aerial orthophotography, and/or disparate datasets from participating local Emergency Communication Districts (ECD). Within the enhanced street centerline product, the data layers are seamless, and are governed by specific State standards.
4. Local GIS data maintained by the ECD's are in various formats, database schemas, and are in various states of accuracy and completeness. Each dataset maintained at the local level is confined to the local jurisdiction and does not typically cross county or city



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boundaries. ECD directors have the right to develop appropriate local data governance policies that are consistent with State law.

5. This cost recovery policy only addresses the statewide enhanced street centerline data. OIR GIS Services will refer all requests to obtain locally maintained data to the corresponding ECD director. OIR GIS Services will not sell any locally maintained cadastral or property assessment related GIS data or other base map data through this process. The Comptroller of the Treasury is the custodian of this data and has developed a cost recovery model specific to these GIS data elements associated with the Base Mapping Program. To purchase GIS cadastral data, please contact the Comptroller's Office at 615-401-7820.

GIS Data Specifications, and Formats

The digital data product is available in several ESRI formats. These choices should be listed in the data format field of the order form: Shapefile, Personal Geodatabase, File Geodatabase.

For a listing of the attributes associated with the centerline geometry, please reference Appendix B.

GIS Product List and Itemized Cost

The following table provides an itemized breakdown for each of the GIS Data products available through OIR GIS Services: Appendix C provides a GIS data catalog order form.

PRODUCT	COUNTIES	UNIT COST
Statewide	All 95; ref. Appendix A	\$117,670.00
TDOT Region 1	ref. Attachment 1; cf. Appendix A	\$30,450.00
TDOT Region 2	ref. Attachment 1; cf. Appendix A	\$25,353.00
TDOT Region 3	ref. Attachment 1; cf. Appendix A	\$33,116.50
TDOT Region 4	ref. Attachment 1; cf. Appendix A	\$28,746.50
DHS01	ref. Attachment 2; cf. Appendix A	\$9,368.50
DHS02	ref. Attachment 2; cf. Appendix A	\$21,081.50
DHS03	ref. Attachment 2; cf. Appendix A	\$11,645.50
DHS04	ref. Attachment 2; cf. Appendix A	\$13,055.50
DHS05	ref. Attachment 2; cf. Appendix A	\$7,975.00
DHS06	ref. Attachment 2; cf. Appendix A	\$8,288.00
DHS07	ref. Attachment 2; cf. Appendix A	\$8,403.50
DHS08	ref. Attachment 2; cf. Appendix A	\$9,102.00
DHS09	ref. Attachment 2; cf. Appendix A	\$10,702.50
DHS10	ref. Attachment 2; cf. Appendix A	\$10,298.00
DHS11	ref. Attachment 2; cf. Appendix A	\$7,746.00
User-defined Coverage ¹	ref. Appendix A	call for pricing

¹ Although the State has provided default products that compartmentalize the state, there may be a need for more succinct subsets than those provided for by the DHS regions. As per part 5 of the *Cost Recovery Policies* section, requests for an individual county will be referred back to the local government contact.



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Appendix A: County Listings and Product Associations

COUNTY	ID	DHS	TDOT	UNIT	COUNTY	ID	DHS	TDOT	UNIT
Anderson	1	2	1	\$1,134.50	Humphreys	43	7	3	\$1,297.50
Bedford	2	6	3	\$1,240.50	Jackson	44	4	2	\$772.00
Benton	3	9	4	\$1,156.50	Jefferson	45	2	1	\$1,180.50
Bledsoe	4	3	2	\$905.00	Johnson	46	1	1	\$766.50
Blount	5	2	1	\$1,828.50	Knox	47	2	1	\$2,788.50
Bradley	6	3	2	\$1,241.00	Lake	48	9	4	\$441.50
Campbell	7	2	1	\$1,294.50	Lauderdale	49	11	4	\$1,100.00
Cannon	8	4	2	\$603.50	Lawrence	50	8	3	\$1,441.00
Carroll	9	9	4	\$1,442.50	Lewis	51	8	3	\$657.50
Carter	10	1	1	\$1,020.00	Lincoln	52	6	3	\$1,248.00
Cheatham	11	7	3	\$849.00	Loudon	53	2	1	\$941.00
Chester	12	10	4	\$702.50	Macon	56	4	3	\$765.00
Claiborne	13	2	1	\$1,131.50	Madison	57	10	4	\$1,533.50
Clay	14	4	2	\$637.00	Marion	58	3	2	\$1,334.00
Cocke	15	2	1	\$1,284.50	Marshall	59	6	3	\$943.00
Coffee	16	6	2	\$1,176.50	Maury	60	8	3	\$1,771.50
Crockett	17	9	4	\$626.50	McMinn	54	3	2	\$1,207.00
Cumberland	18	4	2	\$1,798.00	McNairy	55	10	4	\$1,415.50
Davidson	19	5	3	\$2,693.00	Meigs	61	3	2	\$618.50
Decatur	20	10	4	\$894.50	Monroe	62	2	1	\$1,558.00
DeKalb	21	4	2	\$891.00	Montgomery	63	7	3	\$1,714.50
Dickson	22	7	3	\$1,356.50	Moore	64	6	3	\$346.50
Dyer	23	9	4	\$1,196.00	Morgan	65	2	1	\$1,127.50
Fayette	24	11	4	\$1,618.00	Obion	66	9	4	\$1,373.00
Fentress	25	4	2	\$941.50	Overton	67	4	2	\$960.00
Franklin	26	6	2	\$1,481.00	Perry	68	8	3	\$877.50
Gibson	27	9	4	\$1,622.50	Pickett	69	4	2	\$440.00
Giles	28	8	3	\$1,421.50	Polk	70	3	2	\$1,108.00
Grainger	29	2	1	\$831.50	Putnam	71	4	2	\$1,539.00
Greene	30	1	1	\$1,811.00	Rhea	72	3	2	\$990.00
Grundy	31	3	2	\$854.00	Roane	73	2	1	\$1,505.50
Hamblen	32	2	1	\$790.00	Robertson	74	7	3	\$1,415.50
Hamilton	33	3	2	\$2,788.00	Rutherford	75	6	3	\$1,852.50
Hancock	34	1	1	\$538.50	Scott	76	2	1	\$1,049.00
Hardeman	35	10	4	\$1,662.00	Sequatchie	77	3	2	\$600.00
Hardin	36	10	4	\$1,456.50	Sevier	78	2	1	\$1,877.00
Hawkins	37	1	1	\$1,394.50	Shelby	79	11	4	\$3,859.00
Haywood	38	10	4	\$1,290.00	Smith	80	4	3	\$929.50
Henderson	39	10	4	\$1,343.50	Stewart	81	7	3	\$1,232.50
Henry	40	9	4	\$1,370.50	Sullivan	82	1	1	\$1,967.00
Hickman	41	8	3	\$1,492.00	Sumner	83	5	3	\$1,703.00
Houston	42	7	3	\$538.00	Tipton	84	11	4	\$1,169.00



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COUNTY	ID	DHS	TDOT	UNIT
Trousdale	85	4	3	\$311.00
Unicoi	86	1	1	\$506.00
Union	87	2	1	\$759.50
Van Buren	88	4	2	\$580.50
Warren	89	4	2	\$1,029.00
Washington	90	1	1	\$1,365.00
Wayne	91	8	3	\$1,441.00
Weakley	92	9	4	\$1,473.50
White	93	4	2	\$858.50
Williamson	94	5	3	\$1,839.00
Wilson	95	5	3	\$1,740.00

The above table outlines the counties and their product associations. Below is a more detailed description of the field values.

[COUNTY]: County name

[ID]: Approved identification number of the Office of the Comptroller. This number is associated with the parcels as a part of the [GISLINK] field value.

[DHS REGION]: Department of Homeland Security region number;
cf. Attachment 2

[TDOT REGION]: Tennessee Department of Transportation region number;
cf. Attachment 1

[UNIT]: The unit cost per county



Appendix B: Enhanced Street Centerline Attributes

Field Name	Type	Width	Description	Standard
SHAPE	S	9	Spatial information storage	
OIRID	String	20	Unique ID for each street segment	OIR
SEGID	String	20	Unique ID tying vertical alignments between segments together	OIR
L_F_ADD	String	11	Potential Left From Address Number	USPS
L_T_ADD	String	11	Potential Left To Address Number	USPS
R_F_ADD	String	11	Potential Right From Address Number	USPS
R_T_ADD	String	11	Potential Right To Address Number	USPS
LABEL	String	50	Proper Case, Full Street Name for labeling/display purposes	OIR
DESCRIPTION	String	75	Descriptive term or phrase (e.g., "AIRPORT CARGO" or "UTILITY ACCESS")	OIR
ZIP_L	String	5	USPS 5-digit ZIP code Left	USPS PUB 28
ZIP_R	String	5	USPS 5-digit ZIP code Right	USPS PUB 28
COUNTY_L	String	30	County Area Left	FIPS
COUNTY_R	String	30	County Area Right	FIPS
STATE_L	String	2	State Abbreviation Left	FIPS
STATE_R	String	2	State Abbreviation Right	FIPS

USPS Publication 28 can be found at <http://pe.usps.gov/cpim/ftp/pubs/Pub28/Pub28.pdf> .



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Appendix C: GIS Data Order Form and Disclaimer

Date:																																																													
Name and Organization:																																																													
Mailing Address:																																																													
Description and/or list of GIS data products:																																																													
Please enter the number of map units and total cost below:																																																													
<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Product</th> <th style="width: 30%;">Unit Cost</th> <th style="width: 30%;">Addtl. Costs</th> </tr> </thead> <tbody> <tr><td>Statewide</td><td>\$117,670.00</td><td></td></tr> <tr><td>TDOT Region 1</td><td>\$30,450.00</td><td></td></tr> <tr><td>TDOT Region 2</td><td>\$25,353.00</td><td></td></tr> <tr><td>TDOT Region 3</td><td>\$33,116.50</td><td></td></tr> <tr><td>TDOT Region 4</td><td>\$28,746.50</td><td></td></tr> <tr><td>DHS01</td><td>\$9,368.50</td><td></td></tr> <tr><td>DHS02</td><td>\$21,081.50</td><td></td></tr> <tr><td>DHS03</td><td>\$11,645.50</td><td></td></tr> <tr><td>DHS04</td><td>\$13,055.50</td><td></td></tr> <tr><td>DHS05</td><td>\$7,975.00</td><td></td></tr> <tr><td>DHS06</td><td>\$8,288.00</td><td></td></tr> <tr><td>DHS07</td><td>\$8,403.50</td><td></td></tr> <tr><td>DHS08</td><td>\$9,102.00</td><td></td></tr> <tr><td>DHS09</td><td>\$10,702.50</td><td></td></tr> <tr><td>DHS10</td><td>\$10,298.00</td><td></td></tr> <tr><td>DHS11</td><td>\$7,746.00</td><td></td></tr> <tr><td>User-defined</td><td></td><td></td></tr> <tr><td colspan="2" style="text-align: center;">Tax (9.25%)</td><td></td></tr> <tr><td colspan="2" style="text-align: center;">Shipping/Handling</td><td style="text-align: center;">\$10.00</td></tr> </tbody> </table>		Product	Unit Cost	Addtl. Costs	Statewide	\$117,670.00		TDOT Region 1	\$30,450.00		TDOT Region 2	\$25,353.00		TDOT Region 3	\$33,116.50		TDOT Region 4	\$28,746.50		DHS01	\$9,368.50		DHS02	\$21,081.50		DHS03	\$11,645.50		DHS04	\$13,055.50		DHS05	\$7,975.00		DHS06	\$8,288.00		DHS07	\$8,403.50		DHS08	\$9,102.00		DHS09	\$10,702.50		DHS10	\$10,298.00		DHS11	\$7,746.00		User-defined			Tax (9.25%)			Shipping/Handling		\$10.00
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1. The State must receive payment prior to processing any data request and will accept cash or check only. No credit or debit cards accepted.
2. Please make checks payable to: Department of Finance and Administration



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Appendix C: GIS Data Order Form and Disclaimer

3. Mail the completed order form with check payment to:

Dennis Pedersen
OIR GIS Services
312 8th Ave. North
Tennessee Tower Suite 1600
Nashville TN 37243

4. Please contact Dennis Pedersen at 615-741-9356 or by e-mail at dennis.pedersen@state.tn.us with questions about ordering these products.

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THERE IS NO WARRANTY ASSOCIATED WITH THESE DATA PRODUCTS. THE USER OF THIS PRODUCT ACKNOWLEDGES THAT THE DATA MAY CONTAIN SOME NONCONFORMITIES, DEFECTS, OR ERRORS. THERE IS NO WARRANTY THAT THE DATA WILL MEET THE EXPECTATIONS OF ANY USER'S NEEDS OR EXPECTATIONS, THAT THE USE OF THE DATA WILL BE UNINTERRUPTED, OR THAT ALL NONCONFORMITIES, DEFECTS, OR ERRORS CAN OR WILL BE CORRECTED. USERS OF THIS PRODUCT SHOULD ALWAYS VERIFY ACTUAL DATA. THERE IS NO WARRANTY FOR THIS PRODUCT, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING, THIS PRODUCT IS BEING PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THIS PRODUCT IS WITH THE USER. IN NO EVENT, UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING, WILL THE STATE OF TENNESSEE, INCLUDING THE DEPARTMENT OF FINANCE AND ADMINISTRATION, ITS OFFICERS, AGENTS, SERVANTS, AND EMPLOYEES, AND THEIR RESPECTIVE HEIRS, SUCCESSORS, AND ASSIGNS, BE LIABLE FOR COSTS OF PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES, LOST PROFITS, LOST SALES OR BUSINESS EXPENDITURES, INVESTMENTS, OR COMMITMENTS IN CONNECTION WITH ANY BUSINESS, LOSS OF ANY GOODWILL, OR FOR ANY DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY THE USER OR THIRD PARTIES OR A FAILURE OF THE PRODUCT TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF THE STATE OF TENNESSEE, INCLUDING THE DEPARTMENT OF FINANCE AND ADMINISTRATION, ITS OFFICERS, AGENTS, SERVANTS, AND EMPLOYEES, AND THEIR RESPECTIVE HEIRS, SUCCESSORS, AND ASSIGNS, HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

