

Morgan County TN Transportation Plan

Including Wartburg, Sunbright, and Oakdale

Prepared by the East Tennessee Development District

In cooperation with the Tennessee Department of Transportation

September 2023

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ACKNOWLEDGEMENTS

This report was prepared by the East Tennessee Development District with input and review by the Long Range Planning Division of the Tennessee Department of Transportation.

Local officials and citizens also provided input into this report. Input was obtained from officials from Morgan County, Wartburg, Sunbright, and Oakdale.

This report is intended to provide meaningful and beneficial information to local and state officials regarding existing transportation facilities in Morgan County. This report will also be useful to local and state officials in making future decisions on transportation improvements in the county and in prioritizing these improvements.

This report was completed in September 2023. For additional information, please contact the East Tennessee Development District at 865-273-6003.

This report was prepared in cooperation with the U. S. Department of Transportation, Federal Highway Administration, and the Tennessee Department of Transportation. Funding for this report was provided by the Federal Highway Administration, Tennessee Department of Transportation and East Tennessee Development District.

I. POPULATION, EMPLOYMENT, AND LAND USE

A. Study Area Description

Morgan County is located in East Tennessee on the eastern edge of the Cumberland Plateau. Municipalities in the county include Wartburg, Sunbright, and Oakdale. See the following “Morgan County Study Area Map”.

The terrain in Morgan County is generally mountainous to rolling. A significant portion of the county is covered by forest. The Emory River rises on the slopes of Bird Mountain near Wartburg. The Obed River, a designated national wild and scenic river, flows into the Emory southwest of Wartburg. The Clear Fork, which forms part of Morgan's boundary with Fentress County, joins the New River in Scott County to the north to form the Big South Fork of the Cumberland River.

Morgan County is home to Frozen Head State Park, the headquarters of the Obed Wild and Scenic River, Lone Mountain State Forest, Catoosa Wildlife Management Area, Historic Rugby Tennessee, the Historic Brushy Mountain Penitentiary and part of the Big South Fork National River and Recreation Area. The Cumberland Trail passes through Morgan County.

Tourism plays a significant role in Morgan County’s economy. Tourist activities in Morgan County include the following: white water rafting, mountain climbing, mountain biking, hiking, horseback riding, swimming, freshwater fishing, and hunting.

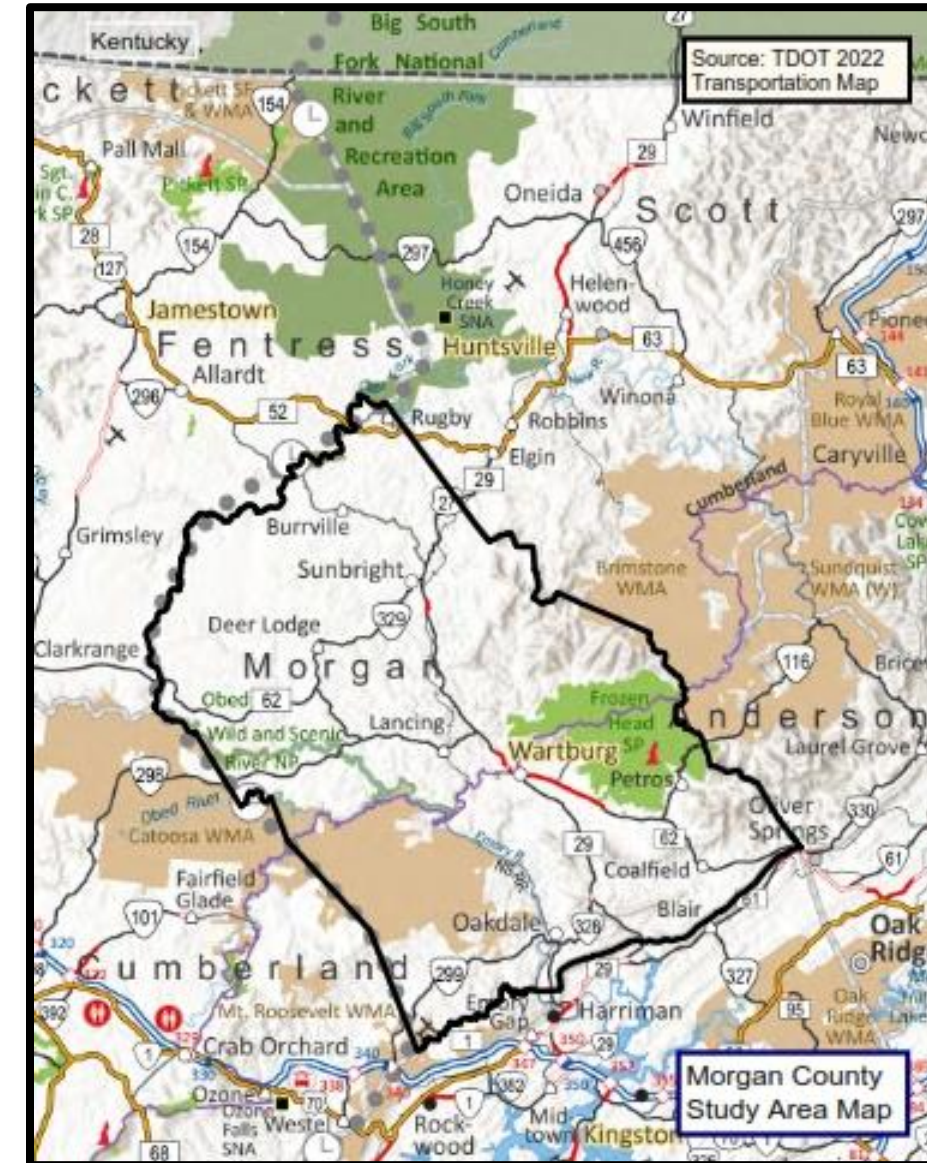
State highways in the county include SR 29 / US 27, SR 62, SR 52, SR 116, SR 298, SR 299, SR 328, and SR 329. There are no railroads or general aviation airports located in Morgan County. The nearest general aviation airport is the Rockwood Municipal Airport in Roane County.

According to 2020 census, populations in the county are as follows: Morgan County 21,035, Sunbright 426, Wartburg 1045, and Oakdale 263. Top employers in 2020 in the county are Tennessee Department of Corrections 550 employees, Morgan County School District 477, and Morgan County Government 189.

B. Land Use

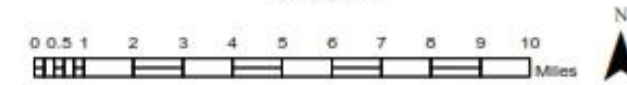
The following map shows existing land use in Morgan County. Predominant features include the Frozen Head State Park located east of Wartburg and the Catoosa Wildlife Management Area located west of Wartburg. Other significant uses shown on the map are timber tracts and agricultural tracts. Single family residences are located along the existing roadway network. Some general commercial uses occur in Wartburg and to a lesser extent in Sunbright.

Future land use is not expected to differ significantly from the existing land use. As discussed below, projections show a minimum increase in population and employment in Morgan County over the next twenty years. Some additional residential and commercial development may occur along the existing roadway network in Morgan County.



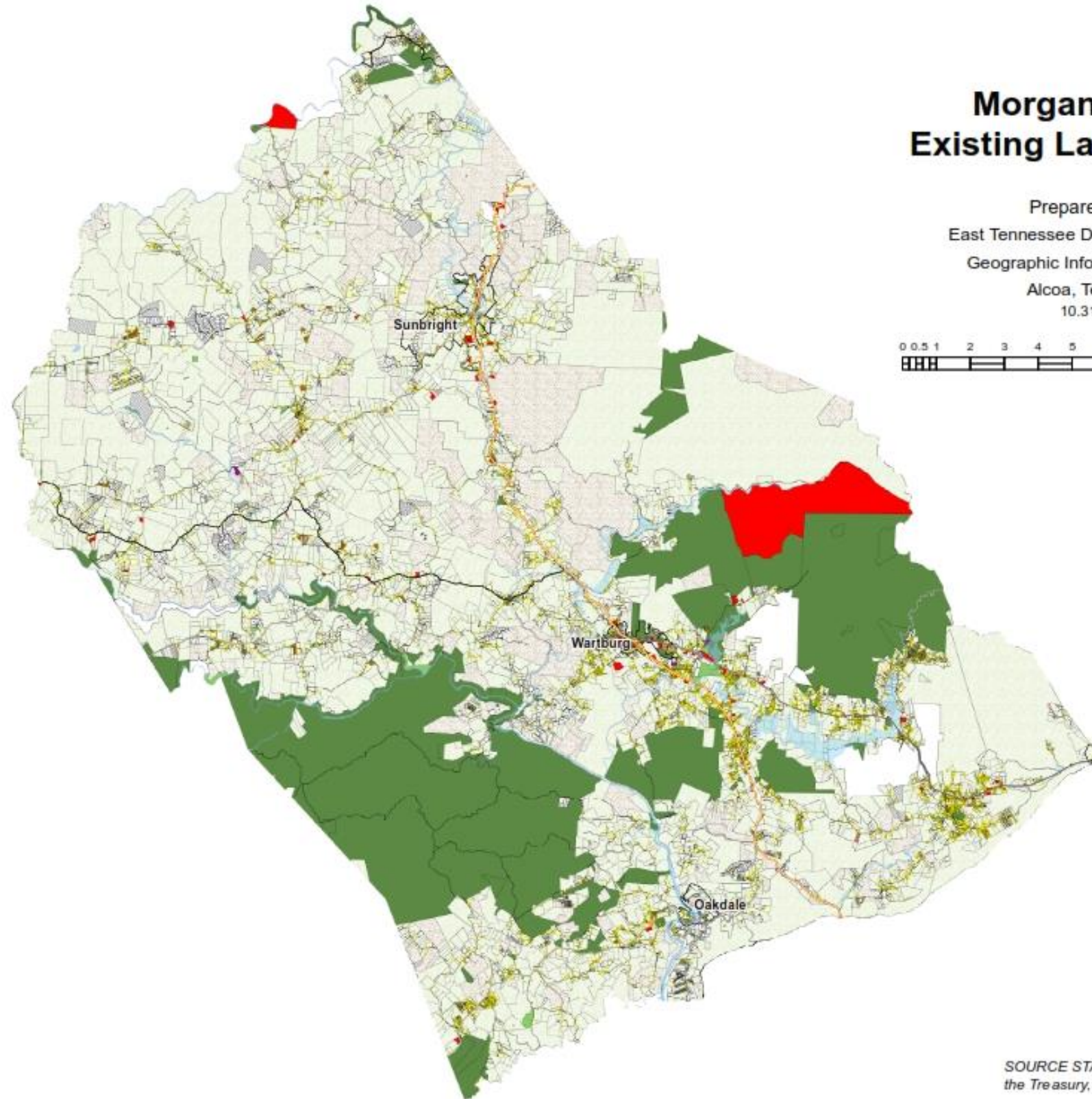
Morgan County Existing Land Use Map

Prepared by the
East Tennessee Development District
Geographic Information Systems
Alcoa, Tennessee
10.31.2022



Legend

- Residence in Floodplain
- Residence on Timber or Agricultural Tract
- Airports
- City Limits
- DFIRM
- SFR < 5 acres
- SFR >= 5 acres
- Duplex (2 units)
- Multifamily (3 or more units)
- Mobile Home (1-4)
- Mobile Home Park (5 or more)
- Resort Residential
- General Commercial
- Office (Prof/Medical/Gen)
- Misc Commercial
- Light Industrial / Warehousing
- Heavy Industrial
- Public Use
- Semi-Public Use
- Utilities
- Vacant
- Agricultural Tract
- Timber Tract
- Water Feature
- Road/Rail ROW
- Unclassified Improvements < \$30,000
- Unclassified Improvements >= \$ 30,000
- CAAS data unavailable for Parcel
- Uncoded by Land Use Model



SOURCE STATEMENT: State of Tennessee, Comptroller of the Treasury, Digital Parcel and CAMA Data (July 22, 2022).

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C. Population and Employment Data

The table below “Morgan County Population and Employment Data” shows population and employment data for five-year increments for the year 2000 through 2050. For the period 2025 to 2045, total population is projected to increase by 1,276 or 64 per year. This equates to a 6% increase in population for the twenty-year period or 0.30% growth per year. Total households are projected to increase by 360 during the twenty-year period or 18 per year. This equates

to a 4.20% increase over the twenty-year period or 0.20% increase per year. Total employment is projected to increase by 624 over the twenty period or 31 per year. This equates to an 11.90% increase over the twenty-year period or 0.60% increase per year. As shown by these numbers, projected population and employment growth in Morgan County during this twenty-year period is minimal. This data is from Woods & Poole.

Morgan County Population and Employment Data										Increase	% Increase	Increase / Year	% Increase / Year
MORGAN, TN [COUNTY, 47129]	2000	2010	2020	2025	2030	2035	2040	2045	2050	2025 to 2045	2025 to 2045	2025 to 2045	2025 to 2045
TOTAL POPULATION (in thousands)	19.801	22.028	21.02	21.5	21.812	22.129	22.45	22.776	23.107	1276	6%	64	0.30%
TOTAL NUMBER of HOUSEHOLDS (in thousands)	7.025	7.688	8.166	8.489	8.625	8.697	8.758	8.849	8.969	360	4.20%	18	0.20%
TOTAL EMPLOYMENT (in thousands of jobs)	6.283	5.077	5.086	5.24	5.402	5.562	5.712	5.864	6.011	624	11.90%	31	0.60%
TOTAL EARNINGS (in millions of 2012 dollars)	171.172	185.285	176.987	202.918	216.797	231.003	245.629	260.769	276.619				
TOTAL PERSONAL INCOME (in millions of 2012 dollars)	444.642	559.322	643.043	697.397	761.558	828.588	898.343	969.74	1042.523				
TOTAL PERSONAL INCOME PER CAPITA (in current dollars)	17536	24312	34026	44015	55069	69123	86588	108041	134287				
TOTAL RETAIL SALES, INCLUDING EATING and DRINKING PLACES SALES (in millions of 2012 dollars)	54.165	57.748	57.304	64.119	68.501	72.831	77.525	82.807	88.776				

II. SYSTEM INCLUDED

A. Functional Classification System

The roadway system included in this county wide transportation plan consists of all state roads and the local roads classified as minor collectors included in Tennessee Department of Transportation’s (TDOT) Functional Classification System for Morgan County. This system is shown on the following map “Morgan County Functional Classification Map”. The functional classification system for Morgan County can also be found on the TDOT website: <https://www.tn.gov/content/dam/tn/tdot/long-range-planning/maps/updated-functional-class-maps/65MorganCounty.pdf>.

The State Routes on the functional classification system are also listed on the table “Morgan County State Routes”. The minor collector routes (non-state routes) on the functional classification system are listed on the table “Morgan County Minor Collector Roads”.

The Tennessee Department of Transportation (TDOT) uses the following classifications: Interstate, Principal Arterial, Minor Arterial, Major Collector, Minor Collector and Local Roads. This plan does not include roads classified as “Local Roads”.

B. Arterial Roadways in Morgan County

Interstates are officially designated as Interstates by the Secretary of Transportation and all routes that comprise the Dwight D. Eisenhower National System of Interstate and Defense Highways belong to the Interstate functional classification category and are also considered Principal Arterials.

Interstates in Morgan County: None.

Principal Arterial roadways serve major centers of metropolitan areas, provide a high degree of mobility and can also provide mobility through rural areas. Unlike their access-controlled counterparts, abutting land uses can be served directly. These roadways serve corridor movements having trip length and travel density characteristics indicative of substantial statewide or interstate travel.

Principal arterials in the area include: SR 29 / US 27.

Minor Arterials serve trips of moderate length, serve geographic areas that are smaller than their higher Arterial counterparts, and offer connectivity to the higher Arterial system. In rural settings, Minor Arterials should be identified and spaced at intervals consistent with population density, so that all developed areas are within a reasonable distance of a higher level Arterial. Additionally, Minor Arterials in rural areas are typically designed to provide relatively high overall travel speeds, with minimum interference to through movement.

Minor Arterials in the area include: SR 62.

C. Collector Roadways in Morgan County

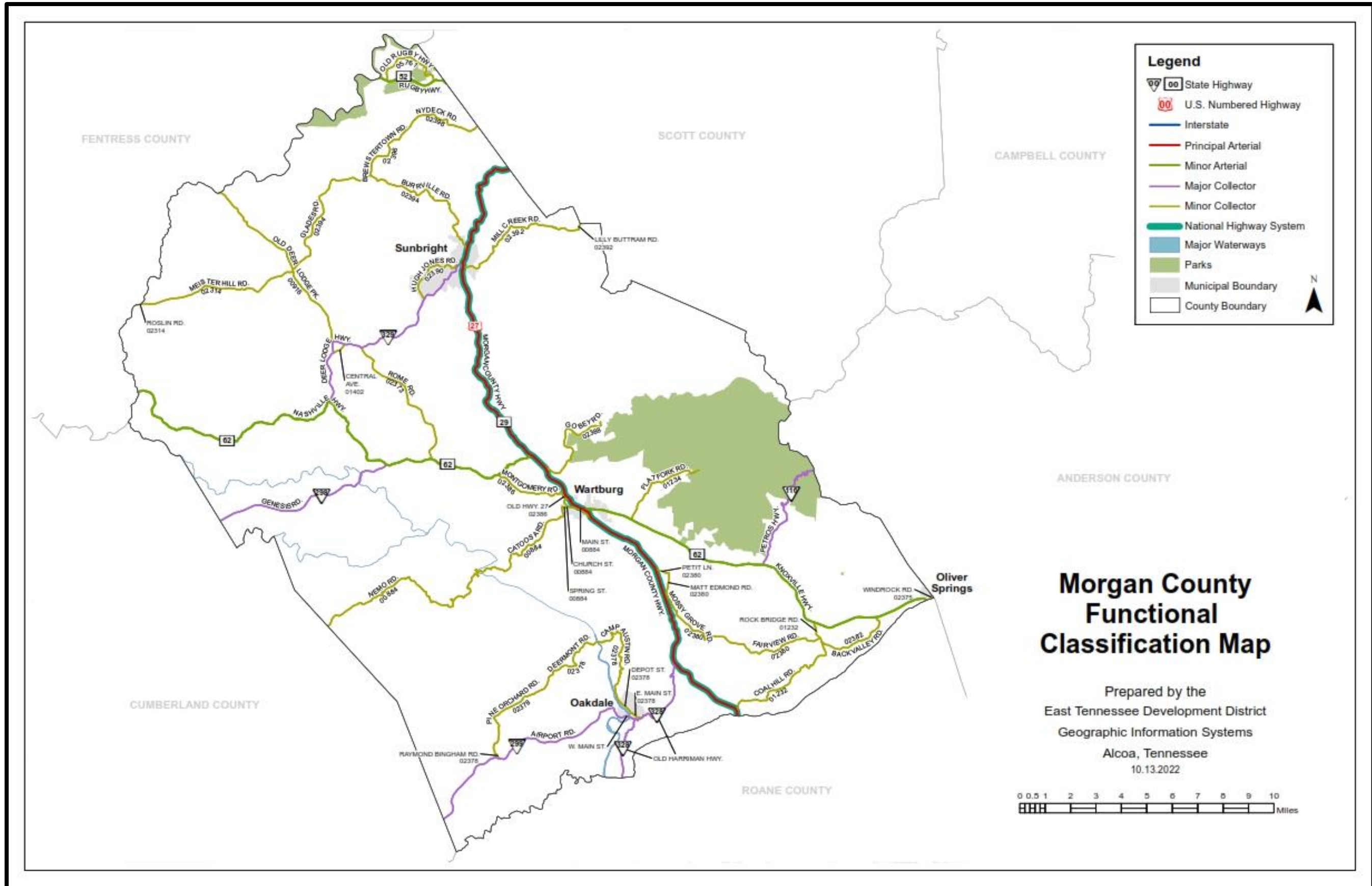
Collectors serve a critical role in the roadway network by gathering traffic from Local Roads and funneling them to the Arterial network. In the rural environment, Collectors generally serve primarily intra-county travel (rather than statewide) and constitute those routes on which (independent of traffic volume) predominant travel distances are shorter than Arterial routes. Consequently, more moderate speeds may be posted.

The distinctions between Major Collectors and Minor Collectors are often subtle. Generally, Major Collector routes are longer in length; have lower connecting driveway densities; have higher speed limits; are spaced at greater intervals; have higher annual average traffic volumes; and may have more travel lanes than their Minor Collector counterparts. Major Collectors offer more mobility and Minor Collectors offer more access.

Major Collectors in the area include: SR 116, SR 298, SR 299, SR 328, and SR 329.

Minor Collectors are local roads owned and maintained by local county or municipal highway agencies. Most of these Minor Collectors are on the State Aid System. The minor collectors in Morgan County are listed in the table “Morgan County Minor Collector Roads”. The information in this table is from TDOT’s E-TRIMS, Enhanced Tennessee Roadway Information Management System.





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Morgan County State Routes									
BLM	ELM	Route	Road Name	Adm. Sys.	Func. Class	Inc Area Nbr	Sp Systems	Sp Systems 2	US Rte Nbr
3.434	3.825	01234	FLAT FORK RD.	19-STATE PARK OR RES.	R / MIN COL	--	STATE AID SYSTEM	--	--
0	1.397	0A263	--	19-STATE PARK OR RES.	R / LOCAL	--	STATE PARK RD	--	--
0	0.392	0A413	--	19-STATE PARK OR RES.	R / LOCAL	--	STATE PARK RD	--	--
0	0.042	0P122	--	19-STATE PARK OR RES.	R / LOCAL	--	--	--	--
0	10.68	SR029	MORGAN COUNTY HWY.	03-NHS RURAL, STATE	R / OTH PRIN ART	--	FED. DESG. TRUCK ROUTE	TN BICYCLE ROUTE	27
10.68	11.4	SR029	MORGAN COUNTY HWY.	03-NHS RURAL, STATE	R / OTH PRIN ART	303 - WARTBURG	FED. DESG. TRUCK ROUTE	TN BICYCLE ROUTE	27
11.4	11.8	SR029	MORGAN COUNTY HWY.	03-NHS RURAL, STATE	R / OTH PRIN ART	303 - WARTBURG	FED. DESG. TRUCK ROUTE	TN BICYCLE ROUTE	27
11.8	11.866	SR029	MORGAN COUNTY HWY.	03-NHS RURAL, STATE	R / OTH PRIN ART	303 - WARTBURG	FED. DESG. TRUCK ROUTE	TN BICYCLE ROUTE	27
11.866	21.19	SR029	MORGAN COUNTY HWY.	03-NHS RURAL, STATE	R / OTH PRIN ART	--	FED. DESG. TRUCK ROUTE	TN BICYCLE ROUTE	27
21.19	21.44	SR029	MORGAN COUNTY HWY.	03-NHS RURAL, STATE	R / OTH PRIN ART	--	FED. DESG. TRUCK ROUTE	TN BICYCLE ROUTE	27
21.44	22.08	SR029	MORGAN COUNTY HWY.	03-NHS RURAL, STATE	R / OTH PRIN ART	--	FED. DESG. TRUCK ROUTE	TN BICYCLE ROUTE	27
22.08	24.99	SR029	MORGAN COUNTY HWY.	03-NHS RURAL, STATE	R / OTH PRIN ART	344 - SUNBRIGHT	FED. DESG. TRUCK ROUTE	TN BICYCLE ROUTE	27
24.99	28.3	SR029	MORGAN COUNTY HWY.	03-NHS RURAL, STATE	R / OTH PRIN ART	--	FED. DESG. TRUCK ROUTE	TN BICYCLE ROUTE	27
0	2.852	SR052	RUGBY HWY.	05-STP RURAL, STATE	R / MIN ART	--	TN PARKWAY	--	--
0	4.02	SR062	NASHVILLE HWY.	05-STP RURAL, STATE	R / MIN ART	--	--	--	--
4.02	8.11	SR062	NASHVILLE HWY.	05-STP RURAL, STATE	R / MIN ART	--	--	--	--
8.11	20.155	SR062	NASHVILLE HWY.	05-STP RURAL, STATE	R / MIN ART	--	--	--	--
20.155	21.152	SR062	KNOXVILLE HWY.	05-STP RURAL, STATE	R / MIN ART	303 - WARTBURG	--	--	--
21.152	35.542	SR062	KNOXVILLE HWY.	05-STP RURAL, STATE	R / MIN ART	--	--	--	--
35.542	35.73	SR062	KNOXVILLE HWY.	21-STP URBAN, STATE SYS.	U / MIN ART	223 - OLIVER SPRINGS	--	--	--
0	6.15	SR116	PETROS HWY.	05-STP RURAL, STATE	R / MAJ COL	--	--	--	--
0	7.57	SR298	GENESIS RD.	05-STP RURAL, STATE	R / MAJ COL	--	--	--	--
0	8.64	SR299	AIRPORT RD.	05-STP RURAL, STATE	R / MAJ COL	--	--	--	--
8.64	9.32	SR299	AIRPORT RD.	05-STP RURAL, STATE	R / MAJ COL	--	--	--	--
9.32	9.414	SR299	AIRPORT RD.	05-STP RURAL, STATE	R / MAJ COL	--	--	--	--
9.414	10.14	SR299	W. MAIN ST.	05-STP RURAL, STATE	R / MAJ COL	218 - OAKDALE	--	--	--
0	6.46	SR328	OLD HARRIMAN HWY.	05-STP RURAL, STATE	R / MAJ COL	--	--	--	--
0	7.003	SR329	DEER LODGE HWY.	05-STP RURAL, STATE	R / MAJ COL	--	--	--	--
7.003	9.71	SR329	DEER LODGE HWY.	05-STP RURAL, STATE	R / MAJ COL	344 - SUNBRIGHT	--	--	--
Query: County County Name = MORGAN									
COUNTY.County Name = MORGAN									
RD_SGMNT.Gov. Cont. = STATE HWAY AGENCY									

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Morgan County Minor Collector Roads							
BLM	ELM	Route	Road Name	Gov. Cont.	Func. Class	Inc Area Nbr	Sp Systems
0	3.15	02382	BACK VALLEY RD.	CO. HWAY AGENCY	R / MIN COL	--	--
0	2.544	02396	BREWSTERTOWN RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
0	0.766	02394	BURRVILLE RD.	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	STATE AID SYSTEM
0.766	7.776	02394	BURRVILLE RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
7.176	12.307	02378	CAMP AUSTIN RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
7.91	15.03	00884	CATOOSA RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
15.03	15.084	00884	CATOOSA RD.	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM
0	0.58	01402	CENTRAL AVE.	CO. HWAY AGENCY	R / MIN COL	--	--
15.274	15.33	00884	CHURCH ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM
0	5.67	01232	COAL HILL RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
5.02	7.176	02378	DEERMONT RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
12.307	13.056	02378	DEPOT ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	218 - OAKDALE	STATE AID SYSTEM
13.056	13.491	02378	E. MAIN ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	218 - OAKDALE	--
13.491	13.67	02378	E. MAIN ST.	CO. HWAY AGENCY	R / MIN COL	--	--
0	5.188	02380	FAIRVIEW RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
0	3.434	01234	FLAT FORK RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
7.776	12.39	02394	GLADES RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
0	4.58	02388	GOBEY RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
0	2.87	02390	HUGH JONES RD.	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	--
5.989	6.24	02392	LILLY BUTTRAM RD.	CO. HWAY AGENCY	R / MIN COL	--	--
15.33	16.39	00884	MAIN ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM
3.335	3.73	02386	MAIN ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	--
7.676	7.854	02380	MATT EDMOND RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
7.854	8.585	02380	MATT EDMOND RD.	CO. HWAY AGENCY	R / MIN COL	--	--
0.339	6.75	02314	MEISTER HILL RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
0	0.332	02392	MILL CREEK RD.	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	--
0.332	5.989	02392	MILL CREEK RD.	CO. HWAY AGENCY	R / MIN COL	--	--
0	2.891	02386	MONTGOMERY RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
5.188	7.676	02380	MOSSY GROVE RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
2.544	6.16	02396	NYDECK RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
0	7.88	00916	OLD DEER LODGE PK.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
2.891	3.335	02386	OLD HWY. 27	CO. HWAY AGENCY	R / MIN COL	--	--
0	3.19	05761	OLD RUGBY HWY.	CO. HWAY AGENCY	R / MIN COL	--	--
8.585	9.15	02380	PETIT LN.	CO. HWAY AGENCY	R / MIN COL	--	--
0.235	5.02	02378	PINE ORCHARD RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
0	0.235	02378	RAYMOND BINGHAM RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
5.67	6.395	01232	ROCK BRIDGE RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
0	6.13	02373	ROME RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
0	0.339	02314	ROSLIN RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM
15.084	15.274	00884	SPRING ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM
0	0.17	02375	WINDROCK RD.	MUNICIPAL HWAY AGENCY	U / MIN COL	223 - OLIVER SPRINGS	STATE AID SYSTEM
Query: County Name = MORGAN							
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III. COMMUTING PATTERNS AND TRAFFIC DATA

A. Commuting Patterns

Morgan County is a rural county with many of the residents commuting to nearby counties for employment. The following table “Morgan County Commuting Patterns” shows the work trips made by Morgan County residents to other nearby counties and the work trips made by residents of other nearby counties into Morgan County. The source of this data is the US Census Bureau at <https://www.census.gov/data/tables/2015/demo/metro-micro/commuting-flows-2015.html>.

Morgan County Commuting Patterns		
OUT COMMUTING - Workers who reside in Morgan County and commute to work in other counties.		
Residence	Place of Work	Commuting Flow
County Name	County Name	Workers in Commuting Flow
Morgan County	Anderson County	1,748
Morgan County	Cumberland County	269
Morgan County	Knox County	652
Morgan County	Morgan County	2,307
Morgan County	Roane County	981
IN COMMUTING - Workers who reside in other counties and commute to work to Morgan County.		
Residence	Place of Work	Commuting Flow
County Name	County Name	Workers in Commuting Flow
Anderson County	Morgan County	119
Knox County	Morgan County	133
Morgan County	Morgan County	2,307
Roane County	Morgan County	292
Scott County	Morgan County	194

As shown, 1748 work trips are made each day by Morgan County residents to Anderson County. 981 work trips are made each day to Roane County. 2307 Morgan County residents work within Morgan County.

The table shows that 292 Roane County residents make work trips each day to Morgan County. 194 work trips are made each day to Morgan County from Scott County.

B. Traffic Data

The Tennessee Department of Transportation maintains traffic counters on multiple state and local highways in Morgan County. Data from these counters is used to calculate the annual average daily traffic, AADT, volumes on the roadways. Up to date traffic counts for the roadway system in Morgan County can be found on the TDOT website: <https://www.tn.gov/content/dam/tn/tdot/maps/2022-traffic-maps-with-aadt/MorganCountyComb2022.pdf>

The following table “Morgan County Roadways Traffic” contains traffic information for all the state routes and the four minor collectors with AADTs greater than 1000 vehicles per day. The 2017 - 2021 data is from TDOT's TN Times Transportation Data Management System. The 2035, and 2045 projected traffic data was provided by TDOT's Long Range Planning Division/Forecasting Office.

The section of SR 62 from SR 29 in Wartburg to the Roane County Line has the highest traffic volumes. The other state routes and listed minor collectors carry moderate traffic volumes.

For the years 2035 and 2045, slight to modest increases in traffic volumes are projected for the listed roadways. These slight to modest traffic increases reflect the minimum population and job growth projected for this area. Two of the listed roadways show a decrease in projected 2035 and 2045 traffic volumes.



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Morgan Cnty Roadways Traffic, AADT											
State	From	To	Count Location for 2017 - 2021 AADT	2017 AADT Vehicles Per Day	2018 AADT Vehicles Per Day	2019 AADT Vehicles Per Day	2020 AADT Vehicles Per Day	2021 AADT Vehicles Per Day	Projected 2035 AADT Vehicles Per Day	Projected 2045 AADT Vehicles Per Day	
SR 29 / US 27	Roane County Line	Near SR 328	65000048	3324	3357	3286	3066	3620	5077	5072	
SR 29 / US 27	Near SR 328	SR 62 in Wartburg	65000028	4393	4869	5037	3951	4266	5780	5807	
SR 29 / US 27	SR 62 in Wartburg	Near Old Gobey Road	65000064	3458	4697	3198	3778	4092	5520	5630	
SR 29 / US 27	Near Old Gobey Road	Scott County Line	65000061	2803	3326	2774	2710	3166	2880	2949	
SR 62	Fentress County Line	SR 29 in Wartburg	65000024	1624	1640	1804	1722	1801	2310	2375	
SR 62	SR 29 in Wartburg	Roane County Line	65000036	6863	7772	8282	7430	7443	7931	8013	
SR 328	Roane County Line	SR 29 / US 27	65000043	1781	1892	1779	1758	1739	1734	1753	
SR 299	Cumberland Cnty Line	SR 328	65000058	1060	1155	1212	1177	1076	2096	2097	
SE 116	SR 62	Anderson Cnty Line	65000035	1680	1572	2246	1531	1316	2392	2391	
SR 298	Cumberland Cnty Line	SR 62	65000026	940	924	922	950	937	642	660	
SR 329	SR 62	SR 29 / US 27	65000057	932	1013	1060	1037	1124	1408	1408	
SR 52	Fentress Cnty Line	Scott Cnty Line	65000065	1200	1386	1239	1176	1250	1761	1826	
1234 / FLAT FORK RD.	SR 62	Frozen Head St. Park	65000030	2890	2311	2310	2872	2309	3560	3566	
884 / MAIN ST.	SR 29 / US 27	South Church Street	65000064	3458	4697	3198	3778	4092	4007	4010	
2386 / MONTGOMERY RD.	Main Street	Wartburg W. City Limits	65000049	2570	2092	2352	2178	2166	802	802	
916 / OLD DEER LODGE PK.	SR 329	Fentress County Line	65000011	1058	1079	1062	1013	1185	1191	1198	

This tables includes traffic data for the four Minor Collectors with 2021 AADTs great than 1000 vehicles per day.
Year 2021 AADTs for other Minor Collectors can be found on the table "Morgan County Minor Collectors 2021 AADT" in Chapter V.
2017 - 2021 data from TDOT's TN Times Transportation Data Management System. 2025, 2035, & 2045 traffic provided by TDOT's Long Range Planning Division/Forecasting Office.

IV. STATE ROUTES IN MORGAN COUNTY

A. Description of State Routes

State Routes located in Morgan County include SR 29 / US 27, SR 62, SR 328, SR 299, SR 116, SR 298, SR 329, and SR 52. The locations of these state routes are shown on the previous map “Morgan County Functional Classification Map”. The State Routes are also listed on the previous table “Morgan County State Routes”.

The following table “Morgan County State Routes Descriptions and Deficiencies” contains the following information for each State Route: functional classification, number of thru lanes, lane width, shoulder width, right-of-way width, 2021 AADT, design standards for lane width and shoulder width, and deficiencies. Photographs of each State Route follow the table.

Currently, there are only two short sections of four lane roadways in Morgan County. State Route 29 / US 27 from the Roane County Line to near SR 328 and SR 29 / US 27 from SR 62 in Wartburg to near Old Gobey Road. Many sections of the State Routes in Morgan County have lane widths as narrow as ten feet and shoulder widths as narrow as two feet. Traffic volumes are generally in the low range. The section of roadway in Morgan County with moderate traffic volume is SR 62 from SR 29 / US 27 in Warburg to the Roane County Line. As shown in the photographs, sections of the State Routes in Morgan County have substantial horizontal and vertical curves.

B. Deficiencies of State Routes

Roadway Capacity Issues

The Volume-to-Capacity ratio (V/C) measures the level of congestion on a roadway by dividing the traffic volume during the peak hour of traffic by the hourly capacity of the roadway. Example: if the volume of traffic on the roadway is 1500 vehicles during the peak hour and the roadway capacity is 3000 vehicle per hour, then the V/C ratio for that segment would be $1500 / 3000 = 0.50$.

The V/C ratio makes it possible to estimate the relative level of congestion on a segment of roadway. The following categories relating V/C ratios to level of congestion are for use for general planning purposes:

- V/C ratio > 1 = **Severe congestion.**
- V/C ratio 0.75 to 1.0 = **Heavy congestion.**
- V/C ratio 0.5 to 0.74 = **Moderate congestion.**
- V/C ratio < 0.5 = **Low or no congestion.**

The V/C ratio and level of congestion data provided above is for general discussion purposes in this report. This information will help relate the V/C ratios provided by TDOT on various roadway segments to the level of congestion on that segment of roadway.

Any roadway segment with a V/C ratio above 0.50 is potentially concerning and should be monitored for poor traffic flow. A value exceeding 1.00 means that there are more vehicles on the road than the road was designed to accommodate, resulting in a severely congested roadway.

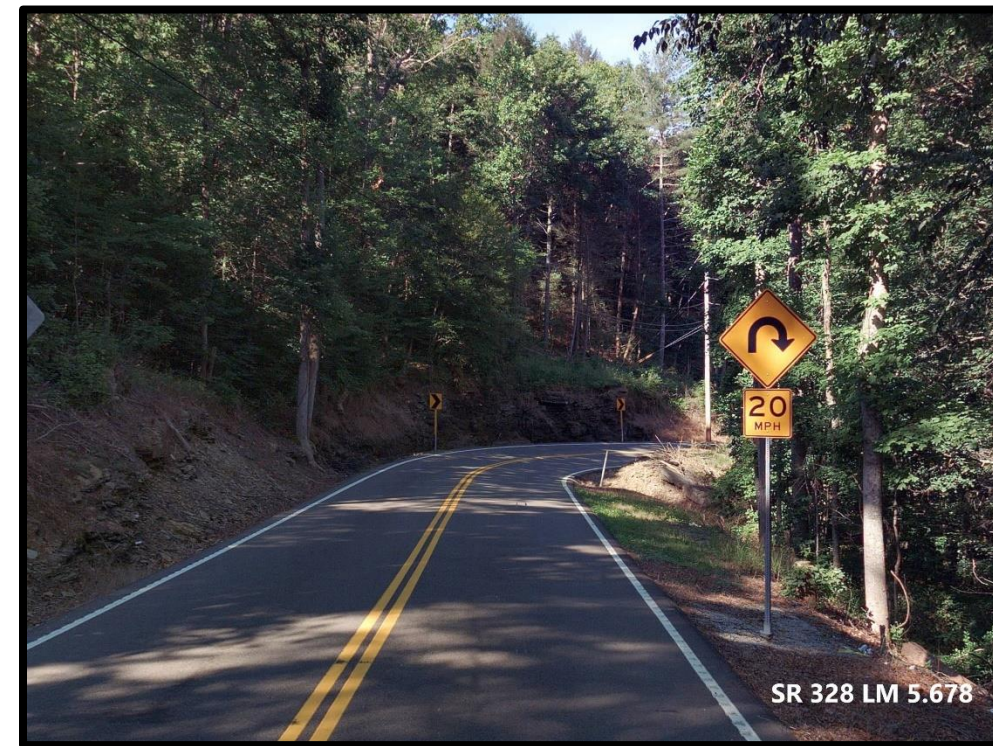
The TDOT provided traffic projections and V/C ratios for the roadway network in Morgan County. The data was provided for the years 2018, 2025, 2035, and 2045.

The highest V/C ratios occurred for the year 2045 data on the section of SR 62 from Rock Bridge Road to the Morgan / Roane County line. These V/C ratios for this segment of roadway were generally in the range of 0.30 to 0.40 indicating little or no congestion.

The deficiencies of the various roadways in Morgan County are not attributable to congestion. The deficiencies are due to lane width, shoulder width, horizontal alignment, and vertical alignment.

Geometric and Other Roadway Deficiencies

The following table “Morgan County State Routes Descriptions and Deficiencies” lists the deficiencies of the various State Routes in Morgan County. As shown, sections of the State Routes are deficient in lane width and / or shoulder width. Sections are also deficient in horizontal and vertical alignment. Substantial deficiencies exist on the State Routes in Morgan County. The photographs show examples of these deficiencies. Note that several of the horizontal curves in the photos are so severe that warning signs are posted for a speed of only 20 miles per hour.



MORGAN COUNTY TRANSPORTATION PLAN

Morgan Cnty State Routes Descriptions and Deficiencies, 9-28-22											
State	From	To	Functional Classification	Number Thru Lanes	Lane Width Feet	Shoulder Width Feet	R-O-W Width Feet	2021 AADT Vehicles Per Day	Design Standards		Deficiencies
Route									Lane Width Feet	Shoulder Width Feet	
SR 29 / US 27	Roane County Line	Near SR 328	Principal Arterial	4	12	8	120	3388 to 3620	12	8	New roadway completed 2021
SR 29 / US 27	Near SR 328	SR 62 in Wartburg	Principal Arterial	2	11 to 12	2 to 11	60 to 150	4038 to 4266	12	8	Lane width, shoulder width w some sections likely horizontal & vertical alignment
SR 29 / US 27	SR 62 in Wartburg	Near Old Gobey Road	Principal Arterial	4	12	2 to 11	100 to 150	5174	12	8	Shoulder width
SR 29 / US 27	Near Old Gobey Road	Scott County Line	Principal Arterial	2	12	2 to 11	66 to 120	1993 to 5413	12	8	Shoulder width w some sections likely horizontal & vertical alignment
SR 62	Fentress County Line	SR 29 in Wartburg	Rural Minor Arterial	2	10 to 12	1 to 8	50 to 100	662 to 1150	11 to 12	6	Lane width, shoulder width w some sections likely horizontal & vertical alignment
SR 62	SR 29 in Wartburg	Roane County Line	Rural Minor Arterial	2	11 to 12	2 to 12	80 to 100	7968 to 9358	12	8	Lane width, shoulder width w some sections likely horizontal & vertical alignment
SR 328	Roane County Line	SR 29 / US 27	Major Collector	2	10	1 to 2	50 to 80	814 to 2169	11 to 12	4 to 8	Lane width, shoulder width w some sections likely horizontal & vertical alignment
SR 299	Cumberland Cnty Line	SR 328	Major Collector	2	10 to 11	2 to 3	34 to 100	1076 to 1816	11	6	Lane width, shoulder width w some sections likely horizontal & vertical alignment
SE 116	SR 62	Anderson Cnty Line	Major Collector	2	11	2	50	226 to 1316	10	4	Shoulder width w some sections likely horizontal & vertical alignment
SR 298	Cumberland Cnty Line	SR 62	Major Collector	2	11	2	50 to 60	937 to 1034	10	4	Shoulder width w some sections likely horizontal & vertical alignment
SR 329	SR 62	SR 29 / US 27	Major Collector	2	10 to 11	1 to 3	40 to 50	650 to 1350	10	4	Shoulder width w some sections likely horizontal & vertical alignment
SR 52	Fentress Cnty Line	Scott Cnty Line	Major Collector	2	11 to 12	2 to 10	60 to 250	1259	10	4	Shoulder width w some sections likely horizontal & vertical alignment

Note: Information for the above roadways obtained from TDOT' Etrims Image Viewer in September 2022. Typical sections used for deficiency comparison: TDOT's RD11TS2, RD11TS3, RD11TS3B with all dated 10-01-2019

MORGAN COUNTY TRANSPORTATION PLAN



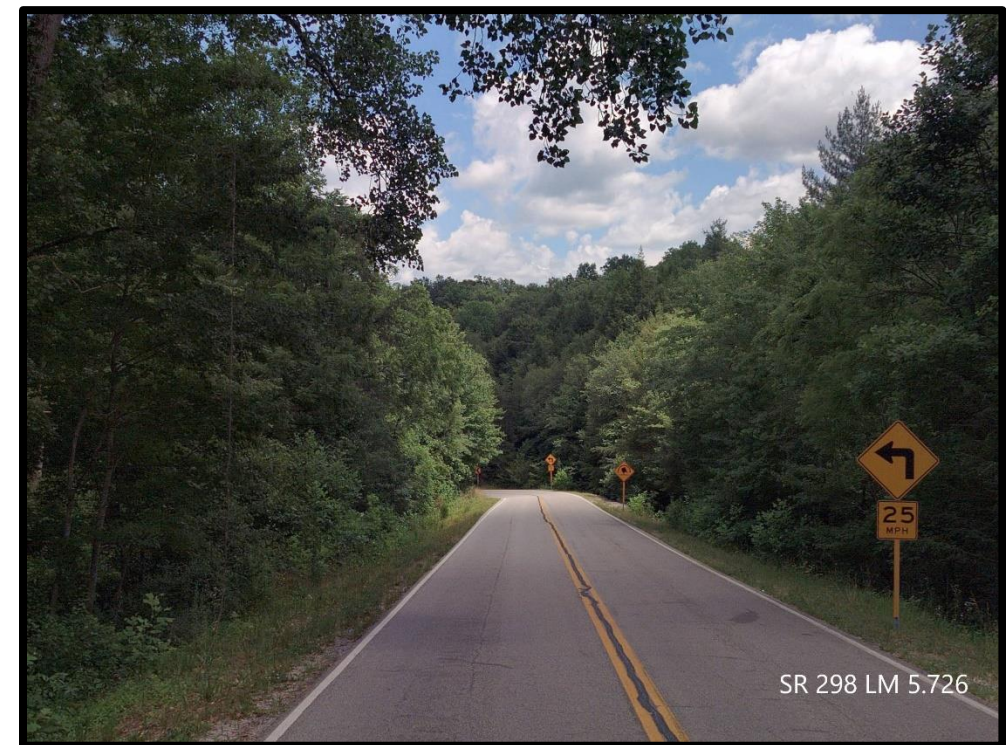
SR 29 / US 27 LM 27.330



SR 116 LM 2.755

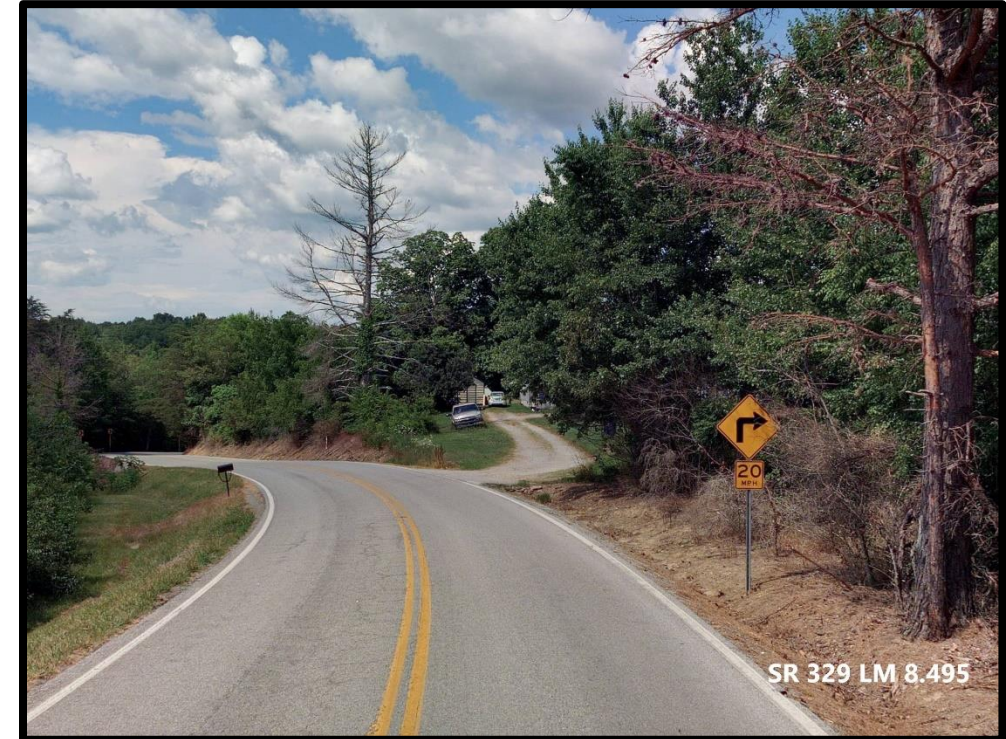
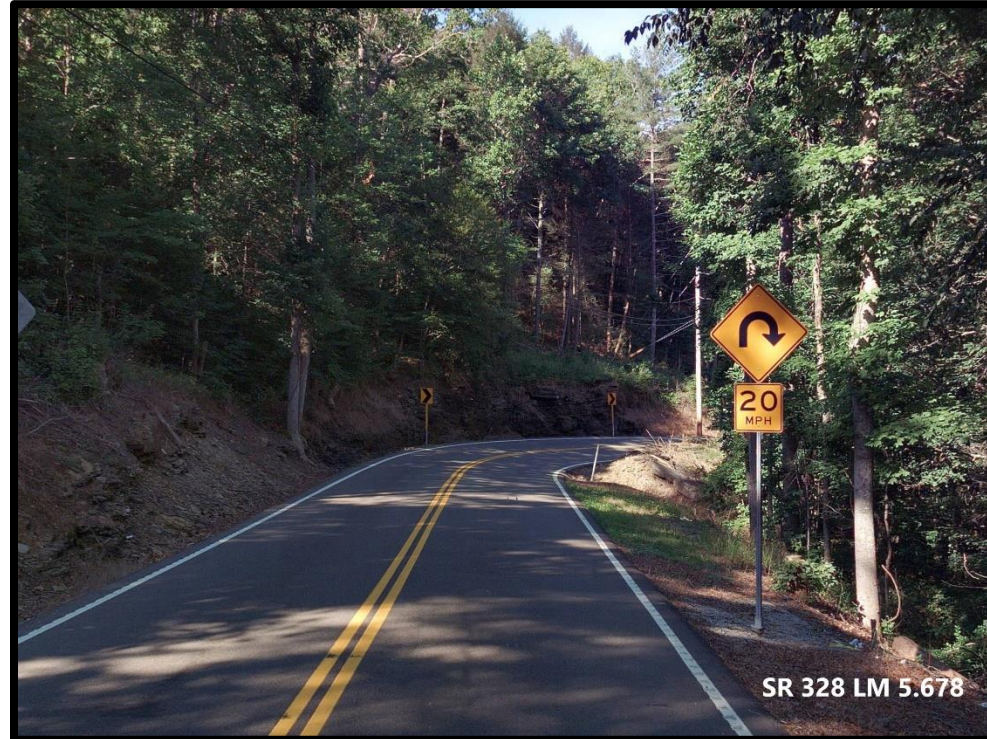


SR 62 LM 9.647



SR 298 LM 5.726

MORGAN COUNTY TRANSPORTATION PLAN



MORGAN COUNTY TRANSPORTATION PLAN

The following table summarizes crash data for the state routes in Morgan County. The information shown includes route number / name, total killed, total injured, total incapacitating injuries, total other injuries, total vehicles, and total crashes. The data covers the period January 1, 2019 through October 31, 2022.

Crash Data						
Morgan County State Routes						
January 1, 2019 - October 31, 2022						
Route	Total Killed	Total Injured	Total Incap Injuries	Total Other Injuries	Total Veh	Total Crashes
SR029	2	80	9	71	239	158
SR052	0	3	0	3	4	2
SR062	6	134	16	118	391	225
SR116	0	13	5	8	19	16
SR298	0	4	2	2	10	9
SR299	1	8	2	6	33	26
SR328	0	9	0	9	17	11
SR329	0	5	1	4	19	12
Query: Crash County = MORGAN						
CR_CRASH.County = MORGAN						
CR_CRASH.Year Of Crash > 2018						
RD_SGMNT.Gov. Cont. = STATE HWAY AGENCY						

State Route 62 and SR 29 / US 27 had significantly more total crashes and fatalities than the other state routes in Morgan County. For the period studied, SR 62 had 225 total crashes with 6 fatalities and 16 incapacitating injuries. SR 29 / US 27 had 158 total crashes with 2 fatalities and 9 incapacitating injuries.

C. State Roadway Improvements

IMPROVE Act Projects

In 2017, the State of Tennessee enacted the IMPROVE Act. The Act's official name is "Improving Manufacturing, Public Roads, and Opportunities for a Vibrant Economy (IMPROVE) Act". One of the purposes of the act was to increase tax revenue to fund transportation and road projects.

The Act specifies that the revenues derived from the increases in gas taxes and motor vehicle registration fees are to be used to:

- maintain roads and bridges on the state highway system, including the interstate highway system;
- support economic development through the construction of transportation facilities in accordance with the State Industrial Access Act and the Local Interstate and Fully Controlled Access Highway Connector Act;
- maintain public roads and bridges within the boundaries of the state parks administered by the department of environment and conservation;
- support local government investment in transit programs to improve regional transit services across the state and help manage congestion along major highways;
- assist rural transit providers in improving the efficiency of demand response services;
- support projects and programs identified in the department of transportation's annual transportation improvement program submitted to the general assembly in support of the department's annual budget and as approved in the annual appropriations acts;
- fund with state and federal funds the development and construction of the projects listed in the Act.

The following "Projects Report Morgan County" lists the Morgan County projects included in the IMPROVE Act. The list provides a program description, project description, project length, status, and cost estimate. The list includes 6 local bridge projects, 4 state bridge projects, 3 projects on SR 62 and 2 projects on SR 29 / US 27. The IMPROVE Act provided funding for over \$238,000,000 for the listed Morgan County projects.

The goal is to have all the IMPROVE Act projects let to contract in a 10-to-15-year time frame. This time frame could vary based on the availability of funds on both the state and federal levels, project approvals, permitting, and other factors.

Each year, TDOT prepares a Three Year Comprehensive Multimodal Program. This program lists highway, transit, rail, waterways, and aviation projects. The highway project listing identifies funding for preliminary engineering, right-of-way, and construction for each highway project listed. The Three-Year Program is presented to the Tennessee Legislature each year for approval. Projects on the IMPROVE Act list will eventually be added to TDOT's Three Year Program for funding for preliminary engineering, right-of-way, and then construction.



Report generated on 12/3/2018

Projects Report
Morgan County

County	Program	Route	Project Description	Length (mi.)	Project Status	IMPROVE Act Investments
MORGAN	Local Bridges	0A019	SEXTON LOOP BRIDGE OVER WHITEOAK CREEK	0.010	Pending	\$158,000
MORGAN	Local Bridges	0A153	HEBBERTBURG RD. BRIDGE OVER ISLAND CREEK	0.010	Pending	\$418,000
MORGAN	Local Bridges	0A253	MACEDONIA RD. BRIDGE OVER EMORY RIVER	0.010	Preliminary Engineering	\$550,000
MORGAN	Local Bridges	0A409	WMA RD. BRIDGE OVER ISLAND CREEK	0.010	Preliminary Engineering	\$874,000
MORGAN	Local Bridges	0A413	FROZEN HEAD STATE PARK RD BRIDGE OVER FLAT FORK CREEK	0.010	Pending	\$754,000
MORGAN	Local Bridges	2378	CAMP AUSTIN RD. BRIDGE OVER HALL BRANCH	0.010	Pending	\$479,000
MORGAN	State Bridges	SR-116	PETROS HWY. BRIDGE OVER STOCKSTILL CREEK LM 2.26	0.010	Preliminary Engineering	\$479,000
MORGAN	State Bridges	SR-116	PETROS HWY. BRIDGE OVER STOCKSTILL CREEK LM2.60	0.010	Preliminary Engineering	\$478,000
MORGAN	State Bridges	SR-298	GENESIS RD. BRIDGE OVER CLEAR CREEK	0.010	Pending	\$2,312,000
MORGAN	Rural Access	SR-62	(KNOXVILLE HWY) FROM PETIT LANE TO SR-116	3.090	Pending	\$33,800,000
MORGAN	Rural Access	SR-62	(KNOXVILLE HWY) FROM SR-116 TO ROCK BRIDGE RD.	3.260	Pending	\$37,500,000
MORGAN	Rural Access	SR-62	(KNOXVILLE HWY) FROM ROCK BRIDGE RD. TO SR-61	3.090	Pending	\$48,800,000
MORGAN	State Bridges	US-27 (SR-29)	MORGAN COUNTY HWY. BRIDGE OVER MASSINGALE CREEK	0.010	Pending	\$263,000
MORGAN	Rural Access	US-27 (SR-29)	FROM NORTH OF SR-328 TO NORTH OF RAY CROSS RD/MOSSY GROVE RD(FORMERLY WESTMINSTER RD)	2.450	Right of Way	\$72,300,000
MORGAN	Rural Access	US-27 (SR-29)	FROM NORTH OF RAY CROSS RD / MOSSY RD. (FORMERLY WESTMINSTER RD.) TO SR-62 IN WARTBURG	4.930	Preliminary Engineering	\$39,600,000

Data current as of 4/5/2018

15 Projects w Total Estimated Cost \$238,765,000

1 of 2

The following map “Morgan County Project Map” shows the locations, descriptions, and status of various projects in the IMPROVE Act and / or the Three-Year Program. Projects shown include two projects on SR 29 / US 27 (widening to two lanes in each direction with a center turn lane), three projects on SR 62 (widening to two lanes in each direction with a center turn lane), four bridge replacements, three safety projects, and a stream mitigation project.







Following the “Morgan County Project Map” are Project Fact sheets for the following:

- SR 29 / US 27, from North of SR 328 to North of Ray Cross Road / Mossy Grove Road, PIN 101411.02, widening to two lanes in each direction with a center turn lane, IMPROVE Act Project
- SR 29 / US 27, from North of Ray Cross Road / Mossy Grove Road to SR 62 in Wartburg, PIN 101411.03, widening to two lanes in each direction with a center turn lane, IMPROVE Act Project
- SR 62, from Petit Lane to SR 116, PIN 124516.01, widening to two lanes in each direction with a center turn lane, IMPROVE Act Project
- SR 62, from SR 116 to Rock Bridge Road, PIN 124516.02, widening to two lanes in each direction with a center turn lane, IMPROVE Act Project
- SR 62, from Rock Bridge Road to SR 61, PIN 124516.03, widening to two lanes in each direction with a center turn lane, IMPROVE Act Project
- SR 62, from Near Chestnut Ridge Community Chapel Missionary Baptist Church to near Bart Woolum Road, PIN 131297.00, miscellaneous safety improvements
- SR 62, from Near Island Ford Road to Near Frank Owens Road, PIN 131298.00, miscellaneous safety improvements
- SR 116 / Petros Highway, Bridge Over Stockstill Creek, LM 2.26, PIN 124513.00, bridge replacement, IMPROVE Act Project
- SR 116 / Petros Highway, Bridge Over Stockstill Creek, LM 2.60, PIN 124514.00, bridge replacement, IMPROVE Act Project
- Macedonia Road, Bridge Over Emory River, LM 7.80. PIN 124501.00, bridge replacement, IMPROVE Act Project
- Various Local Road in Morgan County, Local Roads Safety Initiative, PIN 128634.57, miscellaneous safety improvements
- Stream Mitigation, Brushy Mountain State Penitentiary Stream Mitigation, PIN 104027.41

Each Project Fact sheet discusses the type of work, status, next milestone, project description, existing and future traffic volumes, and other information.

Transportation Modernization Act: What's Next?

The Transportation Modernization Act fundamentally changes how TDOT delivers projects and establishes a sustainable revenue source for the future.

<p>Public-Private Partnerships (P3)</p>  <p>Partner with private sector to build NEW lanes on congested, urban highways</p>  <p>Frees up state funds for more projects in rural communities</p>	<p>Expand Alternative Delivery</p>  <p>70% faster delivery*</p>  <p>\$22 million cost savings*</p>	<p>Electric Vehicle (EV) Parity</p>  <p>Create parity between combustion engine vehicles and EVs</p>  <p>Allows TDOT to keep pace building and maintaining roads</p>
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*TDOT's current alternative delivery program results

Transportation Modernization Fund


\$3 Billion Total
Allocated to State Transportation Projects

\$750 Million for EACH Region

- IMPROVE Act Acceleration
- Rural Interstate Widening Projects
- Major Urban Congestion Projects
- Statewide Partnership Program Projects
- Safety and State of Good Repair Acceleration
- Economic Development Projects





Additional \$300 Million to the State Aid Program

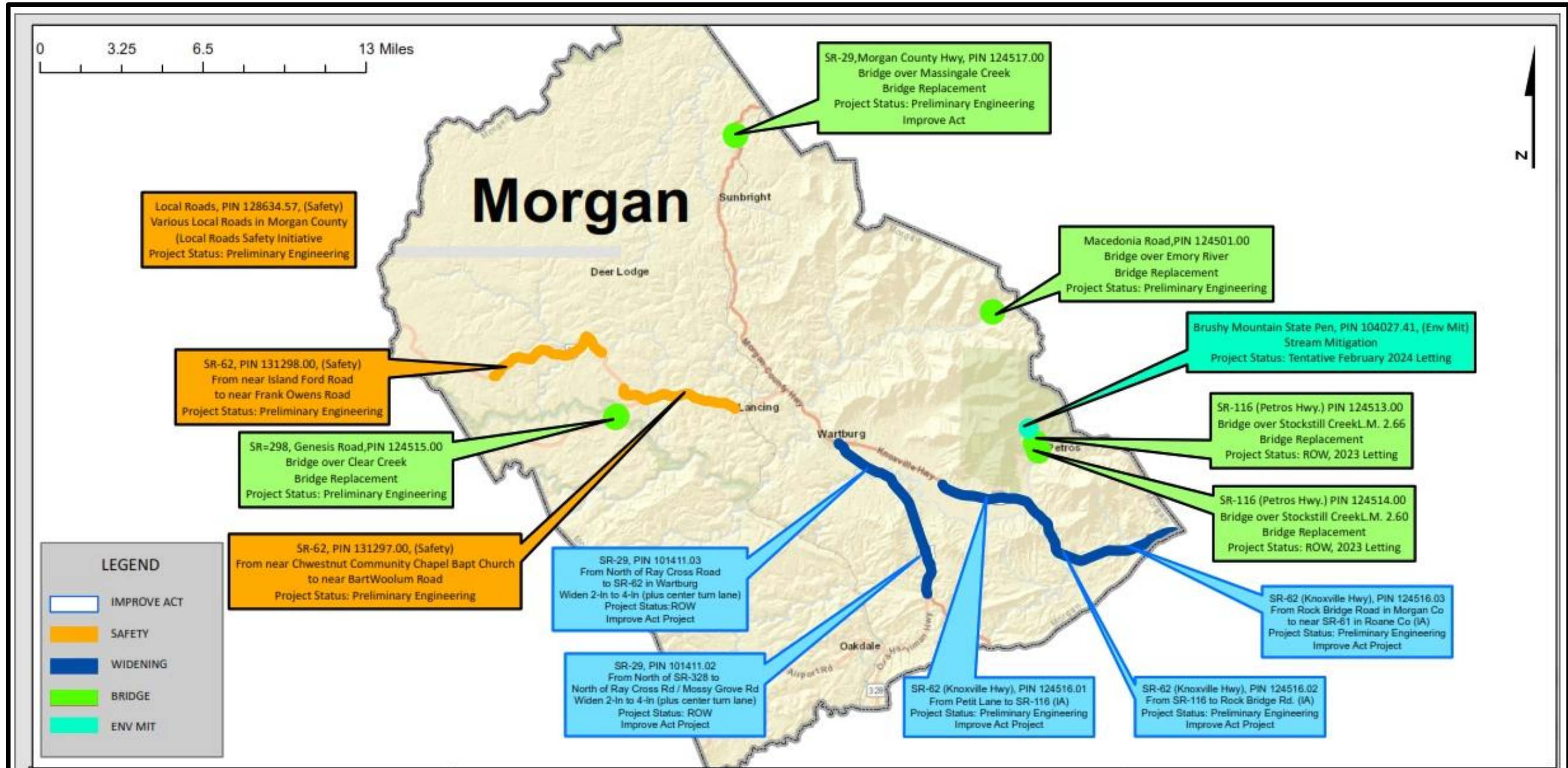


15x
The amount of funding counties receive in a given year

Allows for greater planning of large, complex projects

MORGAN COUNTY TRANSPORTATION PLAN



Prepared By:
TDOT Region 1



Tennessee



**Morgan County
Project Map**

December 2022
TDOT Region 1
Source: TDOT GIS

SR-29 (PIN 101411.02)

From North of SR-328 to North of Ray Cross Road/Mossy Grove Road (Formerly Westminster Road) (IA)

Morgan County



PROJECT FACTS

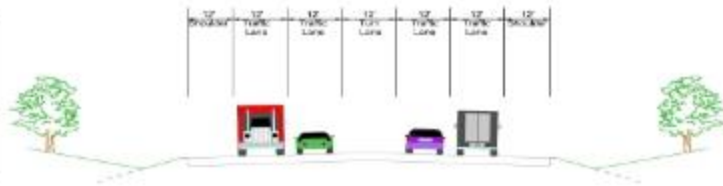
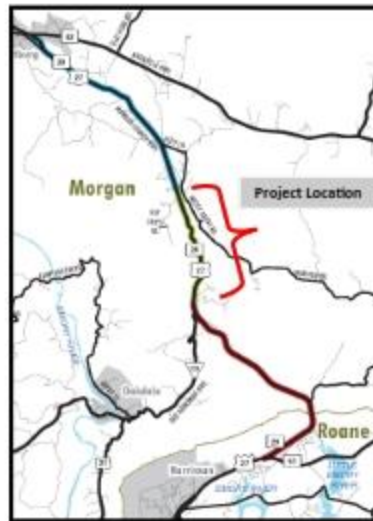
Type of Work
Widening

Current Status
Right-of-Way Acquisition/
Utility Coordination

Next Milestone
Letting

PROJECT OVERVIEW

- This project is one of 4 projects to improve the SR-29 (US-27) corridor from Harriman, TN to Wartburg, TN.
- The two projects to the south of this proposed project extending from SR-61 in Roane County to North of SR-328 in Roane County have been completed.
- The proposed project is approximately 2.5 miles in length and extends from north of SR-328 to north of Ray Cross Road/Mossy Grove Road.
- The purpose of the project is to improve the route's level of service by correcting geometric deficiencies including horizontal and vertical alignments, number of lanes, shoulder width and safety concerns.
- The proposed typical section is a four (4) lane (two 12 ft. travel lanes in each direction) with a 12 ft. center turn lane with 12 ft. shoulders throughout the project.
- The route has a base year 2011 AADT of 4,540 vpd and a design year 2031 AADT of 5,460 vpd.
- This project is currently in the Right of Way appraisal and acquisition stage of development with all Right of Way having been previously purchased.
- This project needs to be identified in TDOT's 3-year multimodal program to be budgeted for construction activities.



SR-29 (PIN 101411.03)

North of Ray Cross Rd/Mossy Grove Rd (Formerly Westminster Rd) to SR-62 in Wartburg (IA)

Morgan County



PROJECT FACTS

Type of Work
Reconstruction

Current Status
Preliminary Design

Next Milestone
Right-of-Way Acquisition/
Utility Coordination Phase

PROJECT OVERVIEW

- This project is one of 4 projects to improve the SR-29 (US-27) corridor from Harriman, TN to Wartburg, TN.
- The two projects to the south of this proposed project extending from SR-61 in Roane County to North of SR-328 in Roane County have been completed.
- The proposed project is approximately 4.9 miles in length and extends from north of Ray Cross Road/Mossy Grove Road (formerly Westminster Rd) to SR-62 in Wartburg.
- The purpose of the project is to improve the route's level of service by correcting geometric deficiencies including horizontal and vertical alignments, number of lanes, shoulder width and safety concerns.
- The proposed typical section is a four (4) lane (two 12 ft. travel lanes in each direction) with a 12 ft. center turn lane with 10 ft. shoulders and curb and gutter throughout the project.
- The route has a base year 2019 AADT of 4,770 vpd and a design year 2039 AADT of 5,740 vpd.
- A public design meeting was held October 29, 2015.
- This project is currently in the Preliminary Design stage of development awaiting right-of-way funding.



SR-62 (PIN 124516.01, .02, .03)

(Knoxville Highway), From Petit Lane to SR-116 (IA)

Morgan County



PROJECT FACTS

Type of Work
Widen

Current Status
Preliminary Plans

Next Milestone
Conduct Ground Survey

PROJECT OVERVIEW

- Corridor project initiated by the IMPROVE Act.
- Route is classified as a Rural/Urban Minor Arterial
- Existing road is primarily a 2-Lane Rural section with 11 foot travel lanes and 2 foot shoulders
- Existing posted speed ranges from 45-55 mph
- Proposed project will include widening the existing roadway to include two travel lanes in each direction with a center turn lane and full width shoulders. Curb and gutter will be utilized between Harlan Sisson Road to just east of Jackson Lane to help minimize impact to properties along both sides of the roadway.
- The route has a base year 2023 AADT of 8,870 vpd and a design year AADT of 11,050 vpd.
- This corridor improvement is being divided into 3 smaller projects due to overall length and cost of the proposed improvement.
- Each project will need to be identified in TDOT's comprehensive multimodal program (3-year plan) before preliminary engineering activities can begin.



SR-62 (PIN 131297.00)

From Near Chestnut Ridge Community Chapel Missionary Baptist Church to near Bart Woolum Road

Morgan County



PROJECT FACTS

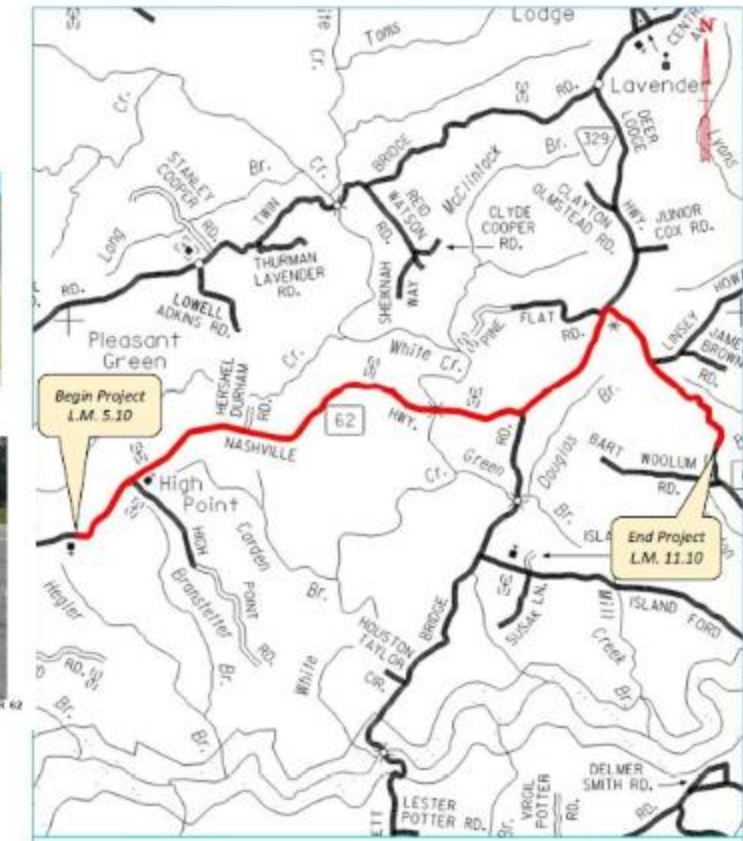
Type of Work
Miscellaneous Safety Improvements

Current Status
Preliminary Design

Next Milestone
Letting

PROJECT OVERVIEW

- SR-62 from near Chestnut Ridge Community Chapel Baptist Church to near Bart Woolum Road is a undivided two-lane rural minor arterial.
- Lanes widths are eleven feet with outside shoulders varying from two (2) feet gravel to five (5) feet concrete on bridge.
- Proposed improvements include replacing and adding additional signing and pavement markings.



SR-62 (PIN 131298.00)

From Near Island Ford Road to Near Frank Owens Road
Morgan County



PROJECT FACTS

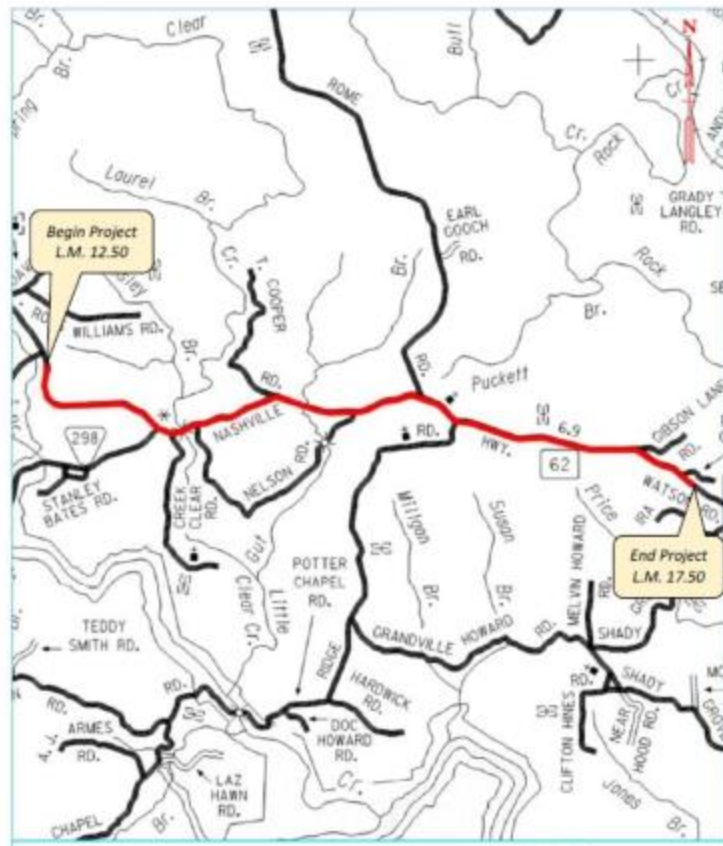
Type of Work
Miscellaneous Safety Improvements

Current Status
Preliminary Design

Next Milestone
Letting

PROJECT OVERVIEW

- SR-62 from near Island Ford Road to near Frank Owens Road is a undivided, two-lane rural minor arterial.
- Lane widths vary from eleven (11) feet and twelve (12) feet with shoulders varying from two (2) feet gravel to eight (8) feet asphalt.
- Proposed improvements include replacing and adding additional signing, and pavement markings.



SR-116 (PIN 124513.00)

(Petrosd Highway), Bridge over Stockstill Creek, LM 2.26 (1A)
Morgan County



PROJECT FACTS

Type of Work
Bridge Replacement

Current Status
Right-of-Way Acquisition/
Utility Coordination Phase

Next Milestone
Letting

PROJECT OVERVIEW

- This section of SR-116 is classified as a two-lane rural major collector with a annual average daily traffic (AADT) for the route of 370 vehicles per day for the base year of 2022.
- The existing structure was built in 1970 and is a single-span precast channel slab bridge.
- The existing structure has a out-to-out width of 26 feet 2 inches and a overall length of approximately 29 feet.
- The sufficiency rating for the existing bridge as 45.2 during a May 10, 2017 inspection.
- The drainage basin area is approximately 1.84 square miles.
- The proposed structure will e a standard reinforced concrete slab bridge consisting of 2 barrels with 16-foot spans and a clear height of 8 feet.
- The proposed structure will be approximately 32 feet in length.
- Construction will be phased to maintain at least one lane of traffic during the replacement.
- The existing roadway is 2-11 foot travel lanes with 2-foot shoulders.
- The proposed improvements include 2 11-foot travel lanes with 4-foot shoulders.



SR-116 (PIN 124514.00)

(Petros Highway), Bridge over Stockstill Creek, LM 2.60 (1A)

Morgan County



PROJECT FACTS

Type of Work
Bridge Replacement

Current Status
Right-of-Way Acquisition/
Utility Coordination Phase

Next Milestone
Letting

PROJECT OVERVIEW

- This section of SR-116 is classified as a two-lane rural major collector with an annual average daily traffic (AADT) for the route of 370 vehicles per day for the base year of 2022.
- The existing structure was built in 1970 and is a single-span precast channel slab bridge.
- The existing structure has an out-to-out width of 26 feet 2 inches and an overall length of approximately 29 feet.
- The sufficiency rating for the existing bridge as 45.2 during a May 10, 2017 inspection.
- The drainage basin area is approximately 1.63 square miles.
- The proposed structure will be a standard reinforced concrete slab bridge consisting of 2 barrels with 16-foot spans and a clear height of 8 feet.
- The proposed structure will be approximately 32 feet in length.
- Construction will be phased to maintain at least one lane of traffic during the replacement.
- The existing roadway is 2-11 foot travel lanes with 2-foot shoulders.
- The proposed improvements include 2 11-foot travel lanes with 4-foot shoulders.



Macedonia Rd (PIN 124501.00)

Macedonia Road, Bridge over Emory River, LM 7.80 (1A)

Morgan County



PROJECT FACTS

Type of Work
Bridge Replacement

Current Status
Right-of-Way Acquisition/
Utility Coordination Phase

Next Milestone
Letting

PROJECT OVERVIEW

- The structure is located in Frozen Head State Park and provides access to pedestrians and horses. All-terrain vehicles are also permitted access during certain times of the year.
- The existing structure is a two-span steel bridge.
- The existing structure is 13.6 feet wide at a 75 degree skew with one (1) 12 foot travel lane and no shoulders.
- The sufficiency rating for the existing bridge as 16.5 during a May 10, 2017 inspection.
- The drainage basin area is approximately 2.63 square miles.
- The proposed structure will be on existing alignment with a 75 degree skew.
- The vertical grade will remain the same to maintain the existing vertical clearance.
- The proposed structure will be a one (1) span and precast box beams with a total length of 55 feet.
- The proposed structure will be 18 feet wide.



(PIN 128634.57)

Various Local Roads in Morgan County (Local Roads Safety Initiative)
Morgan County



PROJECT OVERVIEW

PROJECT FACTS

Type of Work
Miscellaneous Safety Improvements

Current Status
Preliminary Design

Next Milestone
Letting

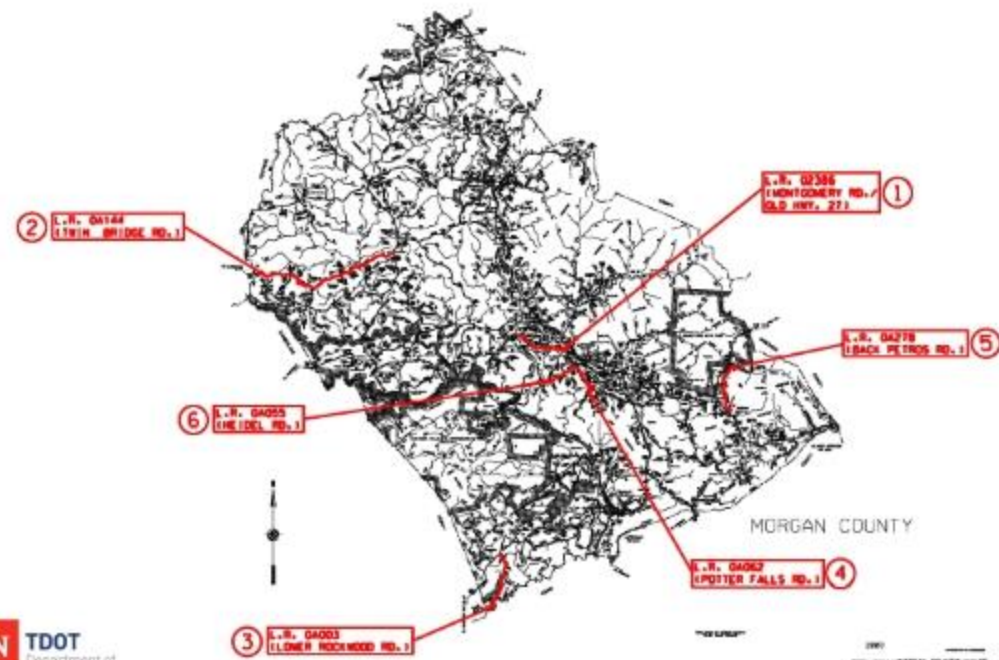
- Project was identified through TDOT's safety needs investigation process and were added to the Highway Safety Improvement Program (HISP) list.



SR42: Intersection of Montgomery Road and SR42 (L.M. 0.00)



SR21: Intersection of Montgomery Road and Old Highway 27 (L.M. 2.89)



Stream Mitigation (PIN 104027.41)

Brushy Mountain State Penitentiary Stream Mitigation
Morgan County



PROJECT OVERVIEW

PROJECT FACTS

Type of Work
Miscellaneous Safety Improvements

Current Status
Preliminary Design

Next Milestone
Right-of-Way Appraisal and Acquisition

- Environmental Mitigation and Wildlife Connectivity Project.
- Proposed improvements to streams 1 and 3.

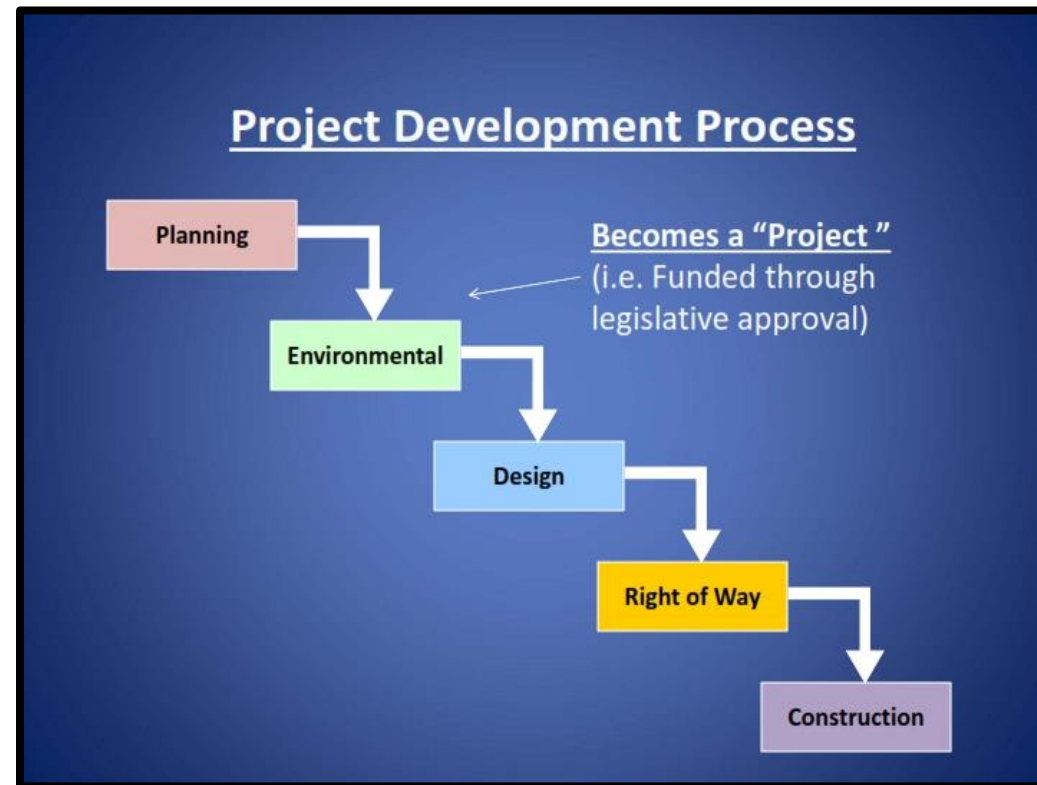


MORGAN COUNTY TRANSPORTATION PLAN

Projects Currently Under Development

TDOT currently has several projects under development in Morgan County. For development purposes, TDOT breaks down each project into the following phases:

- Preliminary Engineering
- Right-of-way
- Construction




Each quarter, the TDOT produces a Project Status Report for each county in the state. The status report lists all active projects in one of the development phases listed above in the county.

The status report includes a project description, termini, length, type of improvement, status, and PIN number (Project Identification Number).

The following is a recent TDOT Project Status Report, 4 pages for Morgan County.

TENNESSEE DEPARTMENT OF TRANSPORTATION		10/7/2022
Project Status		
MORGAN COUNTY SR-29 US-27		PIN: 101411.02
FROM NORTH OF SR-328 TO NORTH OF RAY CROSS RD/MOSSY GROVE RD (FORMERLY WESTMINSTER RD) (IA) Length - 2.5 (Reconstruction) The right-of-way and/or utility process is underway.		
MORGAN COUNTY SR-29 US-27		PIN: 101411.03
NORTH OF RAY CROSS RD/MOSSY GROVE RD(FORMERLY WESTMINSTER RD) TO SR-62 IN WARTBURG (IA) Length - 4.9 (Reconstruction) The engineering is underway.		
MORGAN COUNTY SR-62		PIN: 124516.01
(KNOXVILLE HIGHWAY), FROM PETIT LANE TO SR-116 (IA) Length - 3.1 (Widen) The engineering is scheduled to begin in the 4th Quarter Calendar Year 2022.		
MORGAN COUNTY SR-62		PIN: 124516.02
(KNOXVILLE HIGHWAY), FROM SR-116 TO ROCK BRIDGE ROAD (IA) Length - 3.3 (Widen) The engineering is scheduled to begin in the 4th Quarter Calendar Year 2022.		
MORGAN - ROANE COUNTIES SR-62		PIN: 124516.03
FROM ROCK BRIDGE ROAD IN MORGAN COUNTY TO NEAR SR-61 IN ROANE COUNTY (IA) Length - 4.7 (Widen) The engineering is scheduled to begin in the 4th Quarter Calendar Year 2022.		
MORGAN COUNTY SR-62		PIN: 131297.00
FROM NEAR CHESTNUT RIDGE COMMUNITY CHAPEL MISSIONARY BAPTIST CHURCH TO NEAR BART WOOLUM ROAD Length - 6.0 (RSAR) The environmental studies are complete.		

MORGAN COUNTY TRANSPORTATION PLAN



TENNESSEE DEPARTMENT OF TRANSPORTATION
Project Status

10/7/2022

MORGAN COUNTY SR-62 PIN: 131298.00

FROM NEAR ISLAND FORD ROAD TO NEAR FRANK OWENS ROAD
Length - 5.0 (RSAR)
The environmental studies are complete.

MORGAN COUNTY SR-116 PIN: 124513.00

(PETROS HWY), BRIDGE OVER STOCKSTILL CREEK, LM 2.26 (IA)
Length - 0.0 (Bridge Replacement)
The right-of-way and/or utility process is underway.

MORGAN COUNTY SR-116 PIN: 124514.00

(PETROS HWY.), BRIDGE OVER STOCKSTILL CREEK, LM 2.60 (IA)
Length - 0.0 (Bridge Replacement)
The right-of-way and/or utility process is underway.

MORGAN COUNTY SR-298 PIN: 124515.00

(GENESIS ROAD), BRIDGE OVER CLEAR CREEK, LM 6.05 (IA)
Length - 0.1 (Bridge Replacement)
The engineering is scheduled to begin in the 4th Quarter Calendar Year 2022.

MORGAN COUNTY Macedonia Road PIN: 124501.00

MACEDONIA ROAD, BRIDGE OVER EMORY RIVER, LM 7.80 (IA)
Length - 0.0 (Bridge Replacement)
The right-of-way and/or utility process is underway.


MORGAN COUNTY PIN: 128634.57

VARIOUS LOCAL ROADS IN MORGAN COUNTY (LOCAL ROADS SAFETY INITIATIVE)
(Safety)
The planning report is complete.

MORGAN COUNTY PIN: 104027.41

BRUSHY MOUNTAIN STATE PENITENTIARY, STREAM MITIGATION
Length - 0.0 (Env Mitigation and Wildlife Connectivity)
The engineering is underway.

Page: 2



TENNESSEE DEPARTMENT OF TRANSPORTATION
Project Status


10/7/2022

ROANE - MORGAN COUNTIES SR-29 US-27 PIN: 101411.00

FROM SR-61 IN HARRIMAN (ROANE COUNTY) TO SR-62 IN MORGAN COUNTY
Length - 9.7 (Location and Environmental Study)
~The engineering is underway.

Page: 3

MORGAN COUNTY TRANSPORTATION PLAN

	TENNESSEE DEPARTMENT OF TRANSPORTATION Project Status	10/7/2022
MORGAN COUNTY WMA		PIN: 124507.00
WMA ROAD, BRIDGE OVER ISLAND CREEK, LM 10.271 (IA) (BRIDGE REPLACEMENT) LENGTH - 0.021		
CONTRACT NO.:	CNW052	
LET TO CONTRACT:	2/11/2022	
CONTRACTOR:	WHALEY CONSTRUCTION, LLC	
BID PRICE :	\$1,073,671.30	
EST. COMPLETION DATE:	NOVEMBER, 2022	

Page: 4

Improvements to Address Roadway Deficiencies

The previously discussed “Projects Report Morgan County”, “Morgan County Project Map”, project facts sheets, and project status reports provide information on projects currently under development in Morgan County. These projects are in the planning, preliminary engineering, right-of-way, or construction phase.

Additional roadways in Morgan County are deficient in lane width, shoulder width, horizontal alignment, vertical alignment, and others. The previous chart “Morgan County State Routes Descriptions and Deficiencies” discusses the deficiencies of the various state routes in the county. These deficient roadways should be improved in the future as funding and priorities permit. The deficient roadways in need of improvements are shown on the following “Morgan County Transportation Plan” map.

Local officials can request that a roadway section on a state route be evaluated for needed improvements due to traffic operations, safety, or other needs. The request is typically submitted to the Rural Planning Organization Coordinator. The RPO Coordinator will prepare a Community Transportation Planning Request (CTPR) describing existing conditions and the need for the requested roadway improvements. The CTPR is then submitted to TDOT. TDOT will review the CTPR and decide what, if any, actions are warranted for the subject roadway.

In December 2022 and February 2023, input was received from officials in Morgan County regarding transportation needs in Morgan County. The local officials were presented information on active TDOT projects, project fact sheets, TDOT resurfacing projects, crash information on state routes and local roads, traffic information, TDOT grants, a questionnaire, and other information.

The following provided input into transportation needs.

- County Executive Brian Langley
- Road Superintendent Joe Miller
- Janet Adkisson, resident
- Mayor Karen Milton, Sunbright
- Mayor Phil Vespie, Wartburg
- Michelle Adkisson, Morgan County Chamber of Commerce
- Roger Long, Chairman NRPO TC

The most repeated comment focused on the need to improve SR 62 from Petit Lane to Olive Springs. The reasons provided for improving this section of SR 62 included congestion, high accident rate and economic development. A summary of all the comments received can be found in Chapter VIII, Public Input and Local Officials Input.

MORGAN COUNTY TRANSPORTATION PLAN

Future Roadway Improvements as Traffic Volumes Increase

Traffic volumes in Morgan County will likely increase over time due to residential, commercial, and industrial growth and due to an increase in through traffic. These increased traffic volumes should be monitored over time to determine roadway sections which may need to be improved due to traffic congestion.

Roadway Improvement to Promote Economic Growth and Job Creation

In June 2007, the University of Tennessee's Center for Business and Economic Research and the Center for Transportation Research published a report entitled "Transportation Infrastructure and Economic Development". The purpose of this report is to provide support for economic development and transportation planning in rural communities in Tennessee.

Per the report, the ability to successfully recruit new industry to a rural area is dependent on several factors including roads, workforce quality, utilities, community amenities, and others. These factors affect the region's ability to produce and export. A region needs all the pieces of the economic development puzzle to compete well in attracting new industry and creating new jobs.

The report notes that "transportation facilities are simply one more input to production. But roads and highways are very important as they facilitate the movement of workers and tangible inputs to the production site and the movement of intermediate and final goods to distribution centers and other down-stream outlets. Transportation infrastructure also supports the recreation and leisure activities of both residents and tourists."

The report also notes "A recent survey of site locators asked about the important community factors that are considered when searching for sites on behalf of their clients. This survey shows that highway access is the top factor considered when they seek new sites. If highway access is missing, this may take a community off the list for consideration. It is important to note, however, that "access" means reliable, reasonably expedient transport. The number of lanes or other elements of the highway cross-sections matter only to the extent that they are necessary to these two fundamental concerns. Other types of transportation infrastructure appear on this list as well, including airports, rail transportation and port access. Within a rural setting, access to these other modes of transport is largely a matter of geographic fortune."

One of TDOT's guiding principles is as follows:

"Support the State's Economy - Make transportation investments that support economic growth, competitiveness and tourism; build partnerships with communities and regions to link employment, commercial/retail areas and other key activity centers."

This guiding principle is especially important in Tennessee's economically "Distressed or At-Risk Counties" including Morgan County. This county wide transportation plan for Morgan County identifies one economic development transportation project: SR 29 / US 27 from SR 62 in Warburg to the Scott County Line.

The following map "Morgan County Transportation Plan" shows many of the recommended projects including Projects to Address Roadway Deficiencies, Improve Act projects, and Economic Development projects.

D. Prioritization and Funding

Each year, TDOT provides as part of the State budget a Three Year Comprehensive Multimodal Program. This program includes highway, rail, aviation, waterways, and transit projects in support of TDOT's annual budget. For highway projects listed, a description of the project is provided as well as the phase for which funding is requested. The phases are preliminary engineering, right-of-way, and construction. For major roadway and bridge projects, the previous project status reports include information relative to status of funding in the Three Year Comprehensive Multimodal Program. The FY 21 – 23 Three Year Comprehensive Multimodal Program can be found at: https://www.tn.gov/content/dam/tn/tdot/programdevelopment/stateprograms/3.25.20_tennessee%20fiscal%20years%2021-23.pdf

The TDOT takes into consideration, the following criteria in prioritizing projects and including projects in the Three Year Comprehensive Multimodal Program:

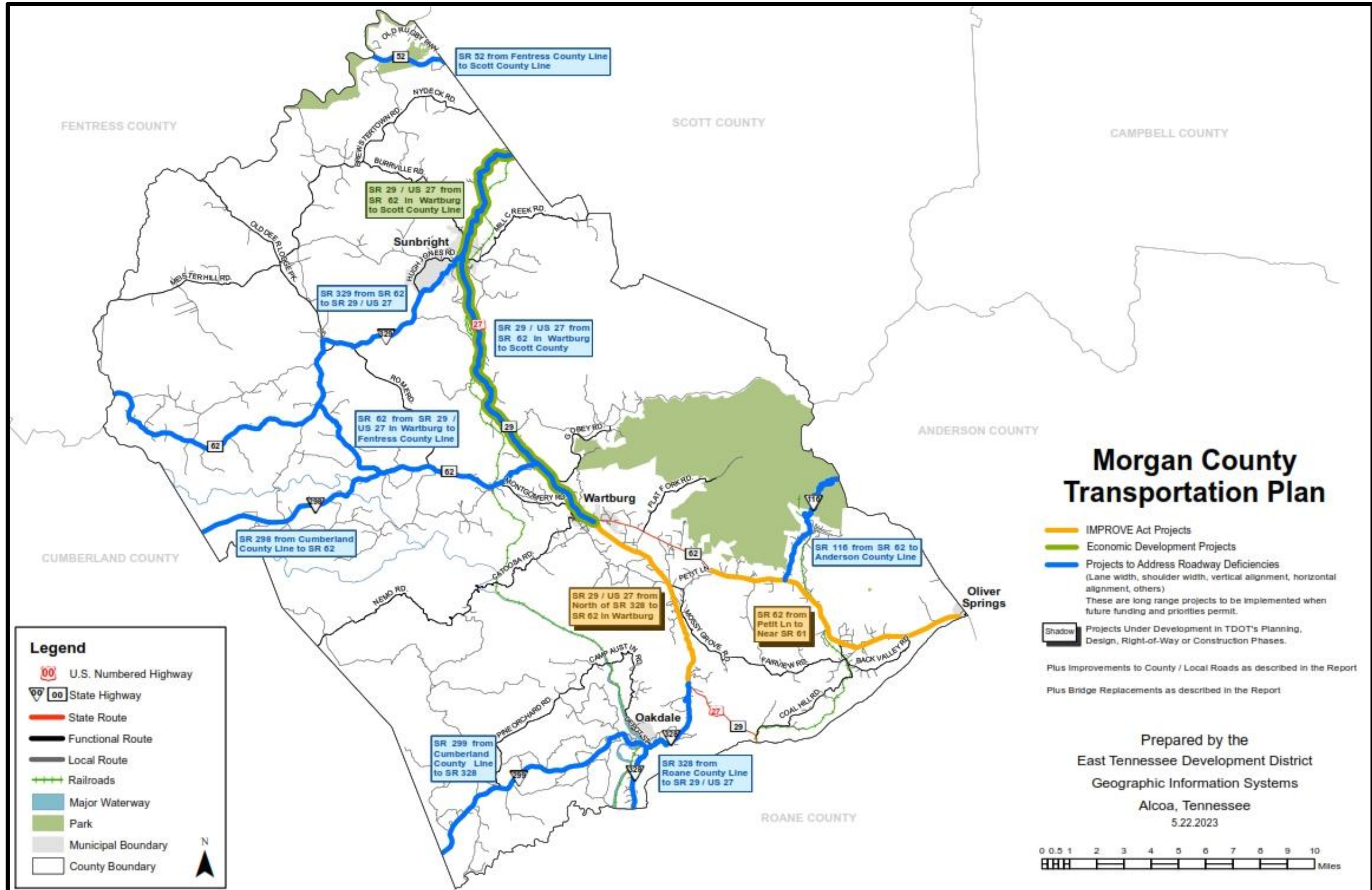
- Traffic Operations
- Multimodal / Function
- Economic Development
- Roadway Safety
- TDOT Region Staff Input and RPO Ranking
- Environmental Impact

Local officials have input into the TDOT project prioritization process through participation in the East Tennessee North Rural Planning Organization (NRPO). Each year, the NRPO prioritizes state roadway improvements in the seven county region. These priorities are considered by TDOT in developing the list of projects for inclusion in the Three Year Comprehensive Multimodal Program.

TDOT has multiple funding programs available to fund state and local highway, rail, aviation, waterways, and transit projects. A description of these various programs can be found in FY 2020 – 2023 Tennessee Transportation Improvement Program found on the TDOT website at:

https://www.tn.gov/content/dam/tn/tdot/programdevelopment/stip-amendments/1.5.21_Tennessee%20STIP%202020-2023%20Final_R.pdf.

MORGAN COUNTY TRANSPORTATION PLAN



E. TDOT Resurfacing Program

TDOT’s Maintenance Division, Pavement Office is responsible for the resurfacing of state routes. Resurfacing projects are selected based on existing pavement conditions such as pavement age, traffic level, distress, and roughness.

Possible resurfacing projects are identified with data from the annual Pavement Management System (PMS) report and the regional roadway history. The priority of this identification is age and the overall Pavement Quality Indices (PSI, PDI, PQI).

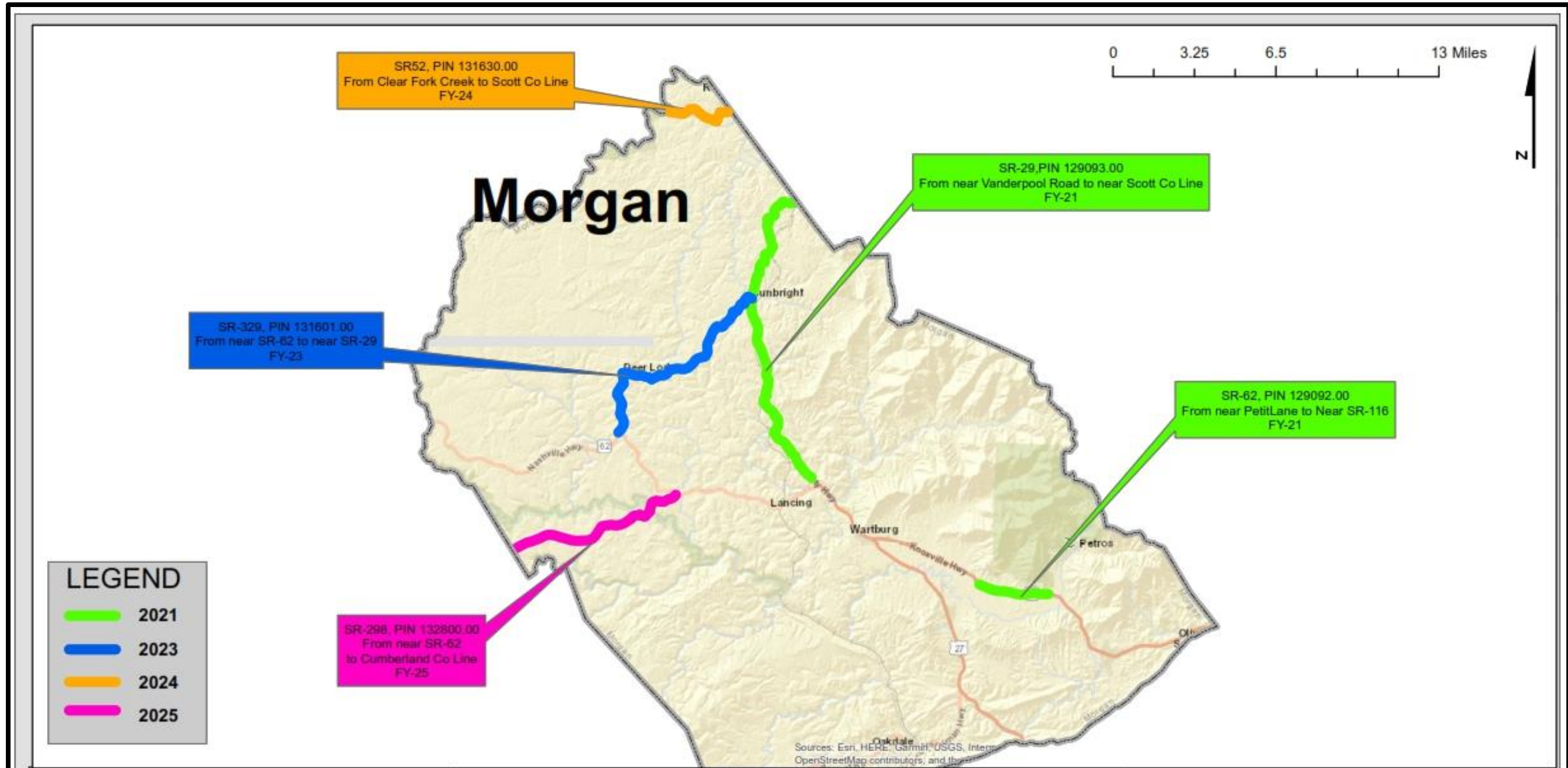
Roadway resurfacing can also incorporate pavement markings for bicycle and pedestrian facilities. The state bicycle and pedestrian coordinator receives resurfacing lists as part of the Resurfacing Delivery Schedule and compares the project lists with state and local bicycle and pedestrian plans, as well as consults with local officials and RPOs staffs. The bike/ped coordinator then makes recommendations to the resurfacing coordinator for bike/pedestrian upgrades to be included in resurfacing plans. The resurfacing coordinator then works with local governments to determine their desire for upgrade and coordinates the inclusion of a striping plan.

Recent and proposed resurfacing projects are shown on the following map “Morgan County Resurfacing Project Map”. The map shows resurfacing projects for the following years; 2021, 2023, 2024, and 2025. Information provided for each resurfacing project includes state route number, PIN, termini, and project status.

The TDOT Pavement Office maintains a list of proposed resurfacing projects for the next three years. This list can be found at: <https://www.tn.gov/tdot/maintenance/pavement-office/future-paving-projects.html>.



MORGAN COUNTY TRANSPORTATION PLAN



Prepared By:
TDOT Region 1



Tennessee



Morgan County
Resurfacing Project Map

December 2022
TDOT Region 1
Source: TDOT GIS

V. LOCAL ROADS / MINOR COLLECTORS IN MORGAN COUNTY

A. Description of Local Roads / Minor Collectors

As previously discussed, the roadway system included in this county wide transportation plan consists of all state roads and the local roads classified as minor collectors in TDOT's Functional Classification System for Morgan County. The locations of these minor collectors are shown on "Morgan County Functional Classification System" map presented in the previous section of this plan entitled "System Included".

Minor Collectors are local roads owned and maintained by local county or municipal highway agencies. Most of these Minor Collectors are on the State Aid System.

The following table "Morgan County Minor Collector Roads Description" lists these minor collectors and includes the following information: route number, road name, administrative system, government control, incorporated area, special systems, right-of-way width, number of lanes, pavement width, shoulder width, and functional classification. As shown, most of these minor collector roads are also on the State Aid System.

Two of the listed local roads have 1 lane with pavement of 10 feet and right-of way widths of 30 36 feet. The other local roads listed are 2 lanes with pavement widths ranging from 14 to 34 feet and right-of-way widths ranging from 30 to 100 feet. Shoulder widths vary from 1 to 8 feet with most of these local roads having a shoulder width of 1 to 2 feet.

The information regarding number of lanes, pavement width and right-of-width was obtained from TDOT's ETRIMS database. In some instances, the actual field measurements or right-of-way / property surveys may produce lane widths or right-of-way widths which vary from the ETRIMS data. The actual field measurements or right-of-way / property surveys should be considered more accurate.

The following table "Morgan County Minor Collectors 2021 AADT" shows the average annual daily traffic (AADT) for the minor collectors in Morgan County. The traffic volumes range from 52 vehicles per day on Catoosa Road / Nemo Road to 4092 vehicles per day on Main Street in Wartburg.

In 2023, an inventory was made of the county's 600 miles of county roads and over 125 bridges. The inventory included: number of lanes, roadway length and width, pavement surface type/condition, pavement striping condition, shoulder type/availability, roadway accessibility, roadway signage inventory, roadway drains information, bridge width/length, bridge sufficiency rating, bridge conditions, safety conditions, and others.

B. Deficiencies and Recommendations

Many of the minor collectors in Morgan County are deficient in one or more of the following: number of lanes, lane width, shoulder width, horizontal alignment, vertical alignment, and others.

The following "Design Standards for Collectors, 2 Lane Roads and Streets" includes a typical section for collector roads. This information was provided by TDOT. This typical section shows lane widths varying from 10 to 12 feet and shoulder width varying from 2 to 8 feet. The actual recommended widths for both the lanes and shoulders are a function of design average daily traffic and design speed on the specific route.

Upgrading local roads / minor collectors in rural East Tennessee counties is often difficult due to topographic constraints and local government financial constraints. Improving roads in the steep terrains can be very costly on a per mile basis.

In December 2022 and February 2023, input was received from officials in Morgan County regarding transportation needs in Morgan County. The local officials were presented information on active TDOT projects, project fact sheets, TDOT resurfacing projects, crash information on state routes and local roads, traffic information, TDOT grants, a questionnaire, and other information.

The following provided input into transportation needs: County Executive Brian Langley, Road Superintendent Joe Miller, Janet Adkisson (resident), Sunbright Mayor Karen Milton, Wartburg Mayor Phil Vespie, Michelle Adkisson with Morgan County Chamber of Commerce, and Roger Long Chairman NRPO TC.

The most repeated comments regarding local roads focused on the need to improve Flat Fork Road and Gatewood Road. Several comments were also received regarding the need for additional sidewalks, trails, and additional signage. A summary of all the comments received can be found in Chapter VIII, Public Input and Local Officials Input.

As future funding and priorities permit, improvements should be made to the local roads / minor collectors with deficiencies. Priorities for these improvements should take into consideration the condition and deficiencies of each roadway as well as the volume of traffic.

Some state funding programs are utilized to improve and maintain local roads / minor collectors. While these programs are helpful, the amounts available are limited and mostly used to maintain rather than improve these local roads.

The TDOT also provides funding and technical assistance for new or improved access to new and expanding industries. Under the State Industrial Access (SIA) program, TDOT works closely with local governments to determine the benefits of a new or improved road to the industry. TDOT will then take the lead role in the design and construction of these roadways.

MORGAN COUNTY TRANSPORTATION PLAN

Morgan County Minor Collector Roads Description												
BLM	ELM	Route	Road Name	Adm. Sys.	Gov. Cont.	Func. Class	Inc Area Nbr	Sp Systems	ROW Width	No. Lns.	Pavement Width	Shoulder Width
0	2	02382	BACK VALLEY RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	36	2	17	2
2	3.15	02382	BACK VALLEY RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	36	2	17	2
0	2.544	02396	BREWSTERTOWN RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	50	2	20	2
0	0.73	02394	BURRVILLE RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	STATE AID SYSTEM	40	2	20	2
0.73	0.766	02394	BURRVILLE RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	STATE AID SYSTEM	40	2	20	2
0.766	7.776	02394	BURRVILLE RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	20	2
7.176	12.307	02378	CAMP AUSTIN RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	17	2
7.91	7.92	00884	CATOOSA RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	30	1	10	2
7.92	10.51	00884	CATOOSA RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	30	2	14 - 18	2
10.51	15.03	00884	CATOOSA RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	18	1
15.03	15.084	00884	CATOOSA RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	40	2	20	1
0	0.58	01402	CENTRAL AVE.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	30	2	16	1
15.274	15.33	00884	CHURCH ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	40	2	20	1
0	5.51	01232	COAL HILL RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	50	2	20-22	2 to 4
5.51	5.67	01232	COAL HILL RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	50	2	22	2
5.02	7.176	02378	DEERMONT RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	17	2
12.307	12.48	02378	DEPOT ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	218 - OAKDALE	STATE AID SYSTEM	40	2	17	2
12.48	13.056	02378	DEPOT ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	218 - OAKDALE	STATE AID SYSTEM	40	2	20	1 to 2
13.056	13.491	02378	E. MAIN ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	218 - OAKDALE	--	40	2	14	1
13.491	13.5	02378	E. MAIN ST.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	40	2	14	1
13.5	13.67	02378	E. MAIN ST.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	40	2	14	1
0	1.71	02380	FAIRVIEW RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	36	2	18	2
1.71	5.188	02380	FAIRVIEW RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	18	2
0	0.06	01234	FLAT FORK RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	100	2	30 - 34	2 to 4
0.06	2.06	01234	FLAT FORK RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	50	2	20	2
2.06	3.434	01234	FLAT FORK RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	16 - 20	1 to 2
3.434	3.62	01234	FLAT FORK RD.	19-STATE PARK OR RES.	STATE HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	18	1
3.62	3.825	01234	FLAT FORK RD.	19-STATE PARK OR RES.	STATE HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	18	1
7.776	12.39	02394	GLADES RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	20	2
0	4.58	02388	GOBEY RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	16 - 20	2
0	2.87	02390	HUGH JONES RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	--	36	2	20	2
5.989	6.24	02392	LILLY BUTTRAM RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	20	1	10	1
15.33	16.39	00884	MAIN ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	50	2	20 - 22	3
3.335	3.73	02386	MAIN ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	--	50	2	22	3

MORGAN COUNTY TRANSPORTATION PLAN

Morgan County Minor Collector Roads Description (Continued)												
BLM	ELM	Route	Road Name	Adm. Sys.	Gov. Cont.	Func. Class	Inc Area Nbr	Sp Systems	ROW Width	No. Lns.	Pavement Width	Shoulder Width
7.676	7.854	02380	MATT EDMOND RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	36	2	16	2
7.854	8.585	02380	MATT EDMOND RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	36	2	16	2
0.339	4.6	02314	MEISTER HILL RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	20	2
4.6	6.75	02314	MEISTER HILL RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	50	2	20	3
0	0.1	02392	MILL CREEK RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	--	40	2	24	2
0.1	0.332	02392	MILL CREEK RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	--	40	2	20	2
0.332	1.81	02392	MILL CREEK RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	40	2	18 - 20	2
1.81	3	02392	MILL CREEK RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	40	2	18	2
3	5.989	02392	MILL CREEK RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	34	2	16	2
0	2.891	02386	MONTGOMERY RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	36	2	20	3
5.188	7.676	02380	MOSSY GROVE RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	18	2
0	0.5	00884	NEMO RD.	19-STATE PARK OR RES.	OTHER STATE AGENCY	R / MIN COL	--	STATE AID SYSTEM	30	2	14	2
0.5	7.91	00884	NEMO RD.	19-STATE PARK OR RES.	OTHER STATE AGENCY	R / MIN COL	--	STATE AID SYSTEM	30	1	10	2
2.544	4.02	02396	NYDECK RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	36	2	16	2
4.02	6.16	02396	NYDECK RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	16	2
0	0.16	00916	OLD DEER LODGE PK.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	22	2 to 8
0.16	0.515	00916	OLD DEER LODGE PK.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	60	2	22	4
0.515	5.61	00916	OLD DEER LODGE PK.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	60	2	22	4
5.61	7.88	00916	OLD DEER LODGE PK.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	18	2
2.891	3.335	02386	OLD HWY. 27	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	50	2	20	3
0	0.48	05761	OLD RUGBY HWY.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	100	2	24	4
0.48	2.76	05761	OLD RUGBY HWY.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	60	2	22	2
2.76	3.19	05761	OLD RUGBY HWY.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	100	2	22	2 to 8
8.585	9.15	02380	PETIT LN.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	--	36	2	20	2
0.235	5.02	02378	PINE ORCHARD RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	17 - 18	2
0	0.235	02378	RAYMOND BINGHAM RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	18	2
5.67	6.395	01232	ROCK BRIDGE RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	18 - 22	2
0	6.13	02373	ROME RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	20	1
0	0.339	02314	ROSLIN RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	40	2	20	2
15.084	15.274	00884	SPRING ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	40	2	20	1
0	0.17	02375	WINDROCK RD.	18-STP URBAN, NON-STATE SYS.	MUNICIPAL HWAY AGENCY	U / MIN COL	223 - OLIVER SPRINGS	STATE AID SYSTEM	50	2	22	2
Query: Road System County = MORGAN												
RD_SYS.County = MORGAN												
RD_SGMNT.Func. Class = R / MIN COL Or RD_SGMNT.Func. Class = U / MIN COL												
Add: Roadway Geometry												
ADD: Pavement Width & Shoulder Width from separate Etrims Roadway Description File												

MORGAN COUNTY TRANSPORTATION PLAN

Morgan County Minor Collectors 2021 AADT (Average Annual Daily Traffic)								
BLM	ELM	Route	Road Name	Gov. Cont.	Func. Class	Inc Area Nbr	Sp Systems	AADT
0	3.15	02382	BACK VALLEY RD.	CO. HWAY AGENCY	R / MIN COL	--	--	263
0	2.544	02396	BREWSTERTOWN RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	257
0	0.766	02394	BURRVILLE RD.	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	STATE AID SYSTEM	466
0.766	6.21	02394	BURRVILLE RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	466
6.21	7.776	02394	BURRVILLE RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	344
7.176	12.307	02378	CAMP AUSTIN RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	542
7.91	13.261	00884	CATOOSA RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	52
13.261	15.03	00884	CATOOSA RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	792
15.03	15.084	00884	CATOOSA RD.	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	792
0	0.58	01402	CENTRAL AVE.	CO. HWAY AGENCY	R / MIN COL	--	--	462
15.274	15.33	00884	CHURCH ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	792
0	5.67	01232	COAL HILL RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	797
5.02	7.176	02378	DEERMONT RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	188
12.307	13.056	02378	DEPOT ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	218 - OAKDALE	STATE AID SYSTEM	542
13.056	13.491	02378	E. MAIN ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	218 - OAKDALE	--	542
13.491	13.67	02378	E. MAIN ST.	CO. HWAY AGENCY	R / MIN COL	--	--	542
0	5.188	02380	FAIRVIEW RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	622
0	3.434	01234	FLAT FORK RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	2309
3.434	3.825	01234	FLAT FORK RD.	STATE HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	2309
7.776	12.39	02394	GLADES RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	344
0	4.58	02388	GOBEY RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	424
0	2.87	02390	HUGH JONES RD.	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	--	135
5.989	6.24	02392	LILLY BUTTRAM RD.	CO. HWAY AGENCY	R / MIN COL	--	--	291
15.33	16.39	00884	MAIN ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	4092
3.335	3.73	02386	MAIN ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	--	2166
7.676	7.854	02380	MATT EDMOND RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	617
7.854	8.585	02380	MATT EDMOND RD.	CO. HWAY AGENCY	R / MIN COL	--	--	617
0.339	6.75	02314	MEISTER HILL RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	498
0	0.332	02392	MILL CREEK RD.	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	--	387
0.332	0.829	02392	MILL CREEK RD.	CO. HWAY AGENCY	R / MIN COL	--	--	387
0.829	5.989	02392	MILL CREEK RD.	CO. HWAY AGENCY	R / MIN COL	--	--	291
0	2.891	02386	MONTGOMERY RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	2166
5.188	7.676	02380	MOSSY GROVE RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	617
0	7.584	00884	NEMO RD.	OTHER STATE AGENCY	R / MIN COL	--	STATE AID SYSTEM	294
7.584	7.91	00884	NEMO RD.	OTHER STATE AGENCY	R / MIN COL	--	STATE AID SYSTEM	52
2.544	6.16	02396	NYDECK RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	292
0	3.42	00916	OLD DEER LODGE PK.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	1185
3.42	7.88	00916	OLD DEER LODGE PK.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	798
2.891	3.335	02386	OLD HWY. 27	CO. HWAY AGENCY	R / MIN COL	--	--	2166
0	3.19	05761	OLD RUGBY HWY.	CO. HWAY AGENCY	R / MIN COL	--	--	127
8.585	9.15	02380	PETIT LN.	CO. HWAY AGENCY	R / MIN COL	--	--	617
0.235	5.02	02378	PINE ORCHARD RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	188
0	0.235	02378	RAYMOND BINGHAM RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	188
5.67	6.395	01232	ROCK BRIDGE RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	797
0	6.13	02373	ROME RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	645
0	0.339	02314	ROSLIN RD.	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	498
15.084	15.274	00884	SPRING ST.	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	792
0	0.17	02375	WINDROCK RD.	MUNICIPAL HWAY AGENCY	U / MIN COL	223 - OLIVER SPRINGS	STATE AID SYSTEM	723
Query: Road System County = MORGAN								
RD_SYS.County = MORGAN								
RD_SGMNT.Func. Class = R / MIN COL Or RD_SGMNT.Func. Class = U / MIN COL								
ADD: Traffic								

MORGAN COUNTY TRANSPORTATION PLAN

From TDOT 8-27-20

MINIMUM CLEAR ROADWAY WIDTHS AND DESIGN LOADINGS FOR NEW AND RECONSTRUCTED BRIDGES (SEE PAGE 6-7)

DESIGN ADT (VEH/DAY)	DESIGN LOADING	MINIMUM CLEAR ROADWAY WIDTH OF BRIDGE (F)
UNDER 400	HL-93	TRAVELED WAY + 4 FT. (2 FT. EACH SIDE)
400 TO 1,500	HL-93	TRAVELED WAY + 6 FT. (3 FT. EACH SIDE)
1,500 TO 2,000	HL-93	TRAVELED WAY + 8 FT. (4 FT. EACH SIDE)
OVER 2,000	HL-93	APPROACH ROADWAY WIDTH

MINIMUM STRUCTURAL CAPACITIES AND MINIMUM ROADWAY WIDTHS FOR BRIDGES TO REMAIN IN PLACE (SEE PAGE 6-8) (G)

DESIGN ADT (VEH/DAY)	DESIGN LOADING (STRUCTURAL CAPACITY)	MINIMUM CLEAR ROADWAY WIDTH (FT) (H)
UNDER 400	H-15	22
400 TO 1,500	H-15	22
1,500 TO 2,000	H-15	24
OVER 2,000	H-15	28

TABLE I MINIMUM DESIGN SPEEDS FOR RURAL COLLECTOR ROADS (SEE PAGE 6-2)

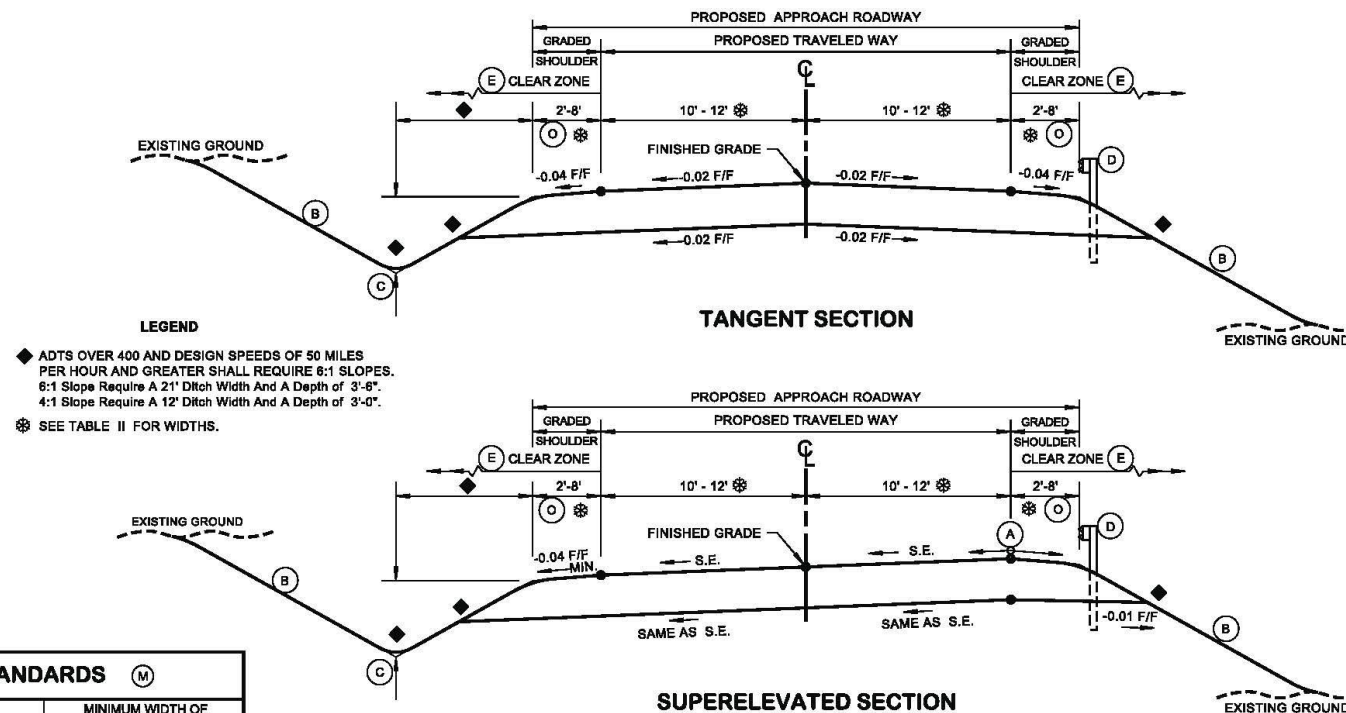
TYPE OF TERRAIN	DESIGN SPEED (MPH) FOR SPECIFIED DESIGN ADT (VEH/DAY)		
	0 TO 400	400 TO 2,000	OVER 2,000
LEVEL	40	50	60
ROLLING	30	40	50
MOUNTAINOUS	20 (I)	30	40

TABLE II COLLECTOR ROADS AND STREETS - DESIGN STANDARDS (M)

DESIGN STANDARDS (FOR GIVEN DESIGN SPEED)	DESIGN SPEEDS (MPH)									MINIMUM WIDTH OF SHOULDERS FOR ALL SPEEDS (FEET) (SEE PAGE 6-6)
	20	25	30	35	40	45	50	55		
MINIMUM WIDTH OF TRAVELED WAY IN RURAL AREAS (FT.) (J) (SEE PAGE 6-6) (N)	DESIGN ADT UNDER 400	20 (P)	20 (P)	20 (P)	20 (P)	20 (P)	20 (P)	20 (P)	20 (P)	2
	DESIGN ADT 400 - 1,500	20 (K)	20 (K)	20 (K)	20 (K)	20 (K)	22	22	22	4
	DESIGN ADT 1,500 - 2,000	20	22	22	22	22	22	22	24	6
	DESIGN ADT OVER 2,000	22	24	24	24	24	24	24	24	8
MINIMUM RADIUS (FT.) 0.04 MAX. S.E.	88	154	250	371	533	711	926	1190	SEE PAGE 3-32	
MINIMUM RADIUS (FT.) 0.06 MAX. S.E.	81	144	231	340	485	643	833	1060		
MINIMUM RADIUS (FT.) 0.08 MAX. S.E.	76	134	214	314	444	587	758	960		
MAXIMUM RURAL GRADES % (L)	LEVEL TERRAIN	7	7	7	7	7	7	6	6	SEE PAGE 6-3
	ROLLING TERRAIN	10	10	9	9	8	8	7	7	
MAXIMUM URBAN GRADES % (L)	LEVEL TERRAIN	9	9	9	9	9	8	7	7	SEE PAGE 6-12
	ROLLING TERRAIN	12	12	11	10	10	9	8	8	
MINIMUM STOPPING SIGHT DISTANCE (FT.)	LEVEL TERRAIN	14	13	12	12	12	11	10	10	SEE PAGE 6-4
	MOUNTAINOUS TERRAIN	115	155	200	250	305	360	425	495	
MINIMUM "K" VALUE	CREST VERTICAL CURVE	7	12	19	29	44	61	84	114	SEE PAGE 6-4
	SAG VERTICAL CURVE	17	26	37	49	64	79	96	115	
DESIGN PASSING SIGHT DISTANCE (FT.)		400	450	500	550	600	700	800	900	SEE PAGE 6-5
MINIMUM "K" VALUE	PASSING SIGHT DISTANCE FOR CREST VERTICAL CURVE	57	72	89	108	129	175	229	289	

FOR SUPERELEVATION SEE STANDARD DRAWINGS RD11-9E SERIES

- GENERAL NOTES**
- FOR SPECIFIC CONDITIONS NOT COVERED ON THIS SHEET, REFERENCE SHOULD BE MADE TO "A POLICY OF GEOMETRIC DESIGN OF HIGHWAYS AND STREETS" AASHTO, 2011 (GREEN BOOK).
 - PAGE NUMBERS REFERRED TO ON THIS DRAWING ARE FROM "A POLICY OF GEOMETRIC DESIGN OF HIGHWAYS AND STREETS" AASHTO, 2011 (GREEN BOOK), UNLESS OTHERWISE NOTED.
 - REFERENCE SHOULD ALSO BE MADE TO THE "ROADSIDE DESIGN GUIDE," AASHTO, 2011.
 - FOR URBAN DESIGN GUIDANCE AND CRITERIA, SEE PAGES 6-11 THROUGH 6-20.
 - DESIRABLE RIGHT-OF-WAY IS SLOPE LINES PLUS FIFTEEN FEET.
 - FOR RURAL INTERSECTION DESIGN, SEE PAGE 6-9.
 - IF NO ABOVE GROUND UTILITIES ARE INVOLVED, MINIMUM RIGHT-OF-WAY SHALL BE TRAVELED WAY PLUS CLEAR ZONE.
 - IF ABOVE GROUND UTILITIES ARE INVOLVED, MINIMUM RIGHT-OF-WAY SHALL BE SUFFICIENT TO ACCOMMODATE THE UTILITIES OUTSIDE THE CLEAR ZONE.
 - FOR URBAN INTERSECTION DESIGN, SEE PAGE 6-18.
 - ALL NEW AND REHABILITATED BRIDGES SHALL BE DESIGNED FOR HL-93 LIVE LOADS. THE MINIMUM CLEAR WIDTH FOR NEW AND REHABILITATED BRIDGES SHALL BE EQUAL TO THE FULL WIDTH OF THE APPROACH ROADWAY, CURB-TO-CURB OR FULL SHOULDER WIDTH AS APPLICABLE.
 - IF A BIKE ROUTE IS TO BE INCLUDED AS PART OF THE PROPOSED ROADWAY, THE PAVED APPROACH ROADWAY WIDTH SHALL BE A MINIMUM OF 28 FT.



- DESIGN NOTES**
- THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHOULD NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.
 - SEE STANDARD DRAWING RD11-S-11 FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES, TOE OF FILL SLOPES AND SPECIAL ROCK TREATMENT.
 - SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.
 - SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.
 - SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE," AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONE.
 - WHERE THE APPROACH ROADWAY WIDTH (TRAVELED WAY PLUS SHOULDERS) IS SURFACED, THAT SURFACE WIDTH SHOULD BE CARRIED ACROSS THE STRUCTURE.
 - THESE STRUCTURES SHOULD BE ANALYZED INDIVIDUALLY, TAKING INTO CONSIDERATION THE CLEAR WIDTH PROVIDED, TRAFFIC VOLUMES, REMAINING LIFE OF THE STRUCTURE, PEDESTRIAN VOLUMES, SNOW STORAGE, DESIGN SPEED, ACCIDENT RECORD, AND OTHER PERTINENT FACTORS.
 - CLEAR WIDTH BETWEEN CURBS OR RAILS, WHICHEVER IS THE LESSER, SHOULD BE EQUAL TO OR GREATER THAN THE APPROACH TRAVELED WAY WIDTH.
 - EFFORTS SHOULD BE MADE TO SELECT A DESIGN SPEED GREATER THAN 20 MILES PER HOUR. REFER TO PAGE 6-2 OF THE "POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS," AASHTO, 2011, FOR FURTHER INFORMATION.
 - ON ROADWAYS TO BE RECONSTRUCTED, THE 22 FEET TRAVELED WAY MAY BE RETAINED WHERE THE ALIGNMENT AND SAFETY RECORDS ARE SATISFACTORY.
 - FOR ROADS IN MOUNTAINOUS TERRAIN WITH VOLUME OF 400 TO 600 VEH/DAY USE 18 FT. TRAVEL WAY WIDTH AND 2 FT. SHOULDER WIDTH.
 - SHORT LENGTHS OF GRADE IN RURAL AND URBAN AREAS, SUCH AS GRADES LESS THAN 500 FEET IN LENGTH, ONE-WAY DOWNGRADES, AND GRADES ON LOW-VOLUME RURAL OR URBAN COLLECTORS MAY BE UP TO 2 PERCENT STEEPER THAN THE GRADES SHOWN IN TABLE IV.
 - ALTHOUGH THE SELECTED DESIGN SPEED ESTABLISHES THE LIMITING VALUES OF CURVE RADIUS AND MINIMUM SIGHT DISTANCE THAT SHOULD BE USED IN DESIGN, THERE SHOULD BE NO RESTRICTION ON THE USE OF FLATTER HORIZONTAL CURVES OR GREATER SIGHT DISTANCES WHERE SUCH IMPROVEMENTS CAN BE PROVIDED AS PART OF AN ECONOMICAL DESIGN (SEE PAGE 2-65).
 - PROPOSED APPROACH ROADWAY WIDTH WILL NOT BE LESS THAN EXISTING WIDTH.
 - SHOULDER SURFACE TREATMENT TO BE SPECIFIED BY THE ROADWAY DESIGN DIVISION'S PAVEMENT DESIGN SECTION. DESIGNERS SHOULD REFER TO THE DESIGN GUIDELINES FOR PAVEMENT REQUEST PROCEDURES. WHEN SHOULDERS ARE PAVED AND GRADED SHOULDER WIDTH IS 6 FEET OR GREATER, THE SHOULDER SHOULD BE PAVED TO THE GRADED SHOULDER WIDTH MINUS TWO FEET. WHEN SHOULDERS ARE PAVED AND THE GRADED SHOULDER WIDTH IS LESS THAN 6 FEET, THE SHOULDER SHOULD BE PAVED THE FULL WIDTH.
 - AN 18 FT. MINIMUM WIDTH MAY BE USED FOR ROADWAYS WITH DESIGN ADT UNDER 250 VEHICLES PER DAY.

2/4/2019 12:43:21 PM C:\Users\j00547\Desktop\3 RD11 Typical Sections and Design Criteria\RD11-TS-20190101.dgn

NOT TO SCALE

STATE OF TENNESSEE
STANDARD DRAWING
DEPARTMENT OF TRANSPORTATION

DESIGN STANDARDS FOR COLLECTORS, 2-LANE ROADS AND STREETS

01-01-2019 RD11-TS-2

C. State Aid System

TDOT’s State Aid System program provides funds to county highway departments to maintain and to make improvements to local roads on the county’s state aid system. State Aid funds can be used for planning, engineering, right-of-way acquisition, grading, drainage, road construction, bridge construction, and pavement upgrades and repairs.

The following factors are considered in the designation of a county’s State Aid System.

- Roads on the system cannot be a part of the state highway system.
- The number of miles of highways and roads in the county.
- The area of the county.
- The population of the county.
- Traffic volume, type of traffic, land use, and function that each route serves in the county road network.

Roadways on the State Aid System must be considered connector roads, connecting with other State Aid roads or with state routes. The county can designate up to 20% of the county’s roads to be part of the State Aid System. County roads can be added to or deleted from the State Aid System by the county in consultation with the TDOT.

Currently, Morgan County has 103.07 miles of State Aid roads and 607.46 miles of county roads. Thus, Morgan County has approximately 17% of the county’s roads on the State Aid System. The maximum allowable State-Aid System mileage in Morgan County is 20% or 121.49 miles.

TDOT distributes the statewide State Aid System funding as follows: 50% of all funds are divided equally among all 95 counties, 25% of funding is based on county area, and 25% of funding is based on total county population. In FY 2021-2022, Morgan County received \$193,700 in State Aid Funds.

The state aid system for Morgan County is shown on the following map “State Aid System Morgan County”. The roadways on the state aid system are also listed in the table “Morgan County State Aid System”.



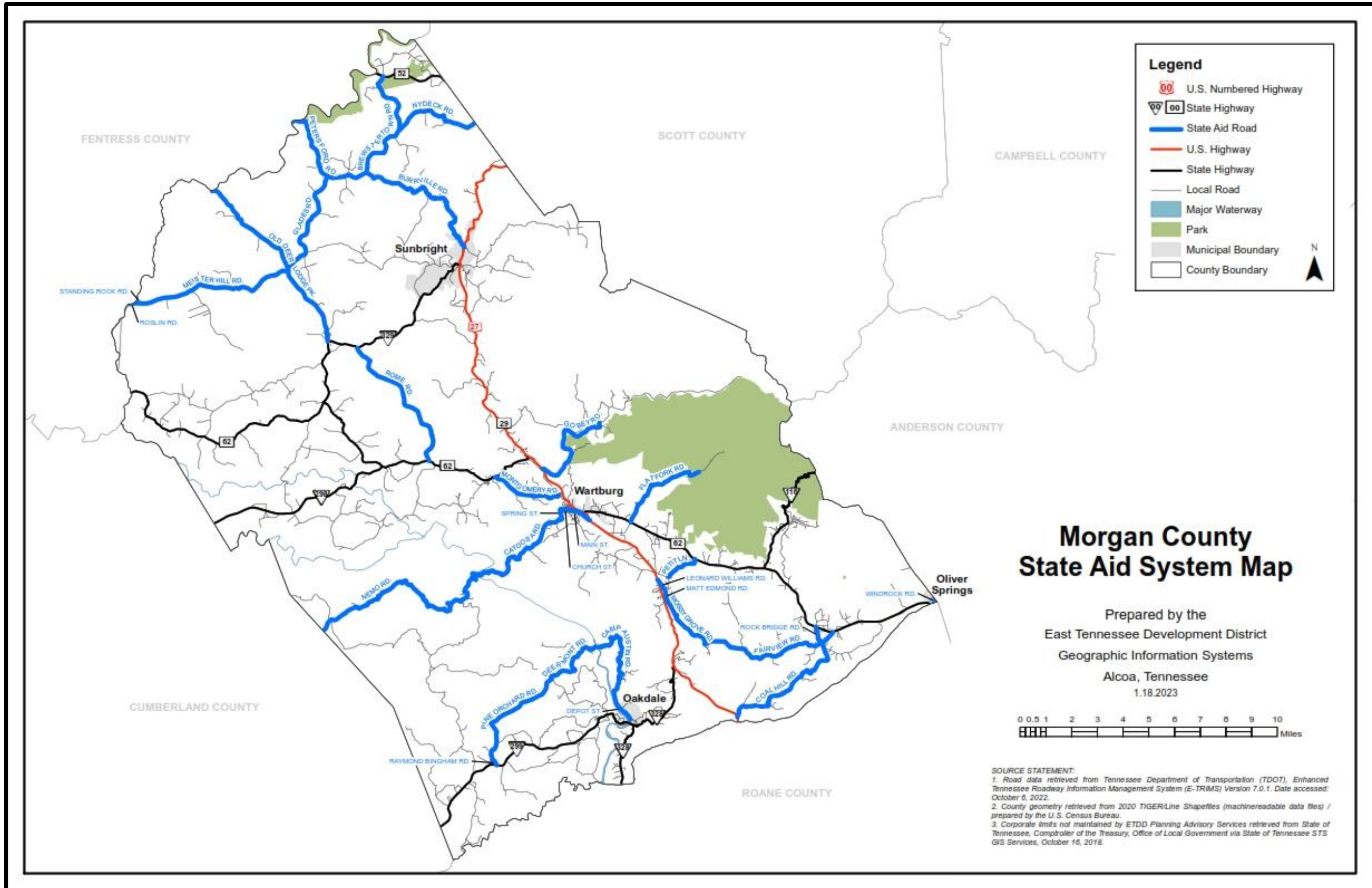
State Aid Program

The State Aid Program provides funds to county governments for the improvement or rehabilitation of roads on the State Aid System. Types of qualifying work include the planning, engineering, Right-of-Way acquisition, grading, drainage, bridge construction, and pavement upgrades or rehabilitation. For more information contact John.Phillips@tn.gov

Grant Match

98% State*
2% Local*

MORGAN COUNTY TRANSPORTATION PLAN



MORGAN COUNTY TRANSPORTATION PLAN

Morgan County State Aid System									
BLM	ELM	Route	Road Name	Adm. Sys.	Gov. Cont.	Func. Class	Inc Area Nbr	Sp Systems	State Aid Code
0	2.544	02396	BREWSTERTOWN RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65013
0	2.639	0A206	BREWSTERTOWN RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / LOCAL	--	STATE AID SYSTEM	65015
0	0.766	02394	BURRVILLE RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	STATE AID SYSTEM	65012
0.766	7.776	02394	BURRVILLE RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65012
7.176	12.307	02378	CAMP AUSTIN RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65002
7.91	15.03	00884	CATOOSA RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65001
15.03	15.084	00884	CATOOSA RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	65001
15.274	15.33	00884	CHURCH ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	65001
0	5.67	01232	COAL HILL RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65006
5.02	7.176	02378	DEERMONT RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65002
12.307	13.056	02378	DEPOT ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	218 - OAKDALE	STATE AID SYSTEM	65002
0	5.188	02380	FAIRVIEW RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65018
0	0.607	0A236	FAIRVIEW RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / LOCAL	--	STATE AID SYSTEM	65018
0	3.434	01234	FLAT FORK RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65009
3.434	3.825	01234	FLAT FORK RD.	19-STATE PARK OR RES.	STATE HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65009
7.776	12.39	02394	GLADES RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65012
0	4.58	02388	GOBEY RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65008
0	0.719	0A354	LEONARD WILLAMS RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / LOCAL	--	STATE AID SYSTEM	65018
15.33	16.39	00884	MAIN ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	65001
7.676	7.854	02380	MATT EDMOND RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65018
0.339	6.75	02314	MEISTER HILL RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65010
0	2.891	02386	MONTGOMERY RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65007
5.188	7.676	02380	MOSSY GROVE RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65018
0	7.91	00884	NEMO RD.	19-STATE PARK OR RES.	OTHER STATE AGENCY	R / MIN COL	--	STATE AID SYSTEM	65001
2.544	6.16	02396	NYDECK RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65013
0	7.88	00916	OLD DEER LODGE PK.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65011
0	2.47	0A191	PETERS FORD RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / LOCAL	--	STATE AID SYSTEM	65017
2.47	3.069	0A191	PETERS FORD RD.	20-FEDERAL PARK OR RES.	NATIONAL PARK SERVICE	R / LOCAL	--	STATE AID SYSTEM	65017
0	1.39	0A341	PETIT LN.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / LOCAL	--	STATE AID SYSTEM	65014
0.235	5.02	02378	PINE ORCHARD RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65002
0	0.235	02378	RAYMOND BINGHAM RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65002
5.67	6.395	01232	ROCK BRIDGE RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65006
0	6.13	02373	ROME RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65006
0	0.339	02314	ROSLIN RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / MIN COL	--	STATE AID SYSTEM	65010
15.084	15.274	00884	SPRING ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	65001
0	0.112	0A250	STANDING ROCK RD.	11-OTHER COUNTY ROADS	CO. HWAY AGENCY	R / LOCAL	--	STATE AID SYSTEM	65016
0	0.17	02375	WINDROCK RD.	18-STP URBAN, NON-STATE SYS.	MUNICIPAL HWAY AGENCY	U / MIN COL	223 - OLIVER SPRINGS	STATE AID SYSTEM	65005
Query: Road Segment Sp Systems = STATE AID SYSTEM									
RD_SGMNT.Sp Systems = STATE AID SYSTEM									
RD_SGMNT.County = MORGAN									

MORGAN COUNTY TRANSPORTATION PLAN

D. TDOT Safety Projects on Local Roads

The TDOT has a program to make safety improvements on local roads. The Highway Safety Improvement Program’s (HSIP) purpose is to achieve a significant reduction in fatalities and serious injuries on all public roads. A HSIP project on a local road is identified through TDOT's safety needs investigation process and must be qualified using the most recent six (6) years of crash data. Typical safety type improvements under this program include pavement markings, guardrails, signage, and others.

TDOT has the Local Roads Safety Initiative (LRSI) and the Road Safety Audit (RSA) programs to identify segments of local and rural roads with a history of high occurrences of fatal and serious injury crashes and address these roadways with safety improvements. The Local Roads Safety Initiative targets safety projects on local roads in rural counties that have limited access to resources. The entire project, from road safety audit review to construction, is completed by TDOT. Currently each county receives \$250,000 for the LRSI projects every five years.

The following is a list of TDOT implemented safety projects in Morgan County since 2012.

Morgan Cnty Local Roads Safety Projects		
Project Type	Routes	Completion Date
Local Roads Safety Initiative (2012 list)	Various Local Routes	08/31/2013
Local Roads Safety Initiative (2017 list)	Local Route 02314, Meister Hill Road; Local Route 01234, Flat Fork Road; Local Route 02388, Gobey Road; Local Route 02378, Raymond Bingham Road/ Pine Orchard Road/ Deermont Road/ Camp Austin Road	06/21/2021
Local Roads Safety Initiative (2019 list)	Local Route 02386, Montgomery Road/ Old Highway 27; Local Route 0A144, Twin Bridge Road; Local Route 0A003, Lower Rockwood Road; Local Route 0A062, Potter Falls Road; Local Route 0A278, Back Petros Road; Local Route 0A055, Heidel Road	Scheduled letting date, 05/2023
Local Roads Safety Initiative (2022 list)	Local Route 01232, Coal Hill Road; Local Route 00884, Catoosa Road; Local Route Fairview Rd./Mossy Grove Rd. / Matt Edmond Rd.; Local Route 02380/0A341, Petit Lane	TBD

The following table summarizes crash data for the Minor Collectors in Morgan County. The information shown includes route number / name, total killed, total injured, total incapacitating injuries, total other injuries, total vehicles, and total crashes. The data covers the period January 1, 2020 through December 2022. Coal Hill Road and Fairview Road have the highest number of total crashes (14). No fatalities occurred during this period on the listed roadways.

Crashes Morgan County Minor Collectors							
January 1, 2020 - December 2022							
Route	Total Killed	Total Injured	Total Incap Injuries	Total Other Injuries	Total Vehicles	Total Crashes	Road Name
00884	0	5	1	4	21	13	CATOOSA RD.
00916	0	3	0	3	7	5	OLD DEER LODGE PK.
01232	0	11	2	9	18	14	COAL HILL RD.
01234	0	5	1	4	11	7	FLAT FORK RD.
02314	0	0	0	0	4	2	MEISTER HILL RD.
02373	0	0	0	0	1	1	ROME RD.
02378	0	4	1	3	3	3	CAMP AUSTIN RD.
02380	0	3	0	3	17	14	FAIRVIEW RD.
02382	0	0	0	0	1	1	BACK VALLEY RD.
02386	0	2	1	1	9	8	MAIN ST.
02388	0	0	0	0	2	1	GOBEY RD.
02394	0	2	0	2	8	7	GLADES RD.
02396	0	0	0	0	1	1	BREWSTERTOWN RD.
05761	0	0	0	0	3	2	OLD RUGBY HWY.
Query: Crash County = MORGAN							
CR_CRASH.County = MORGAN							
CR_CRASH.Year Of Crash > 2019							
RD_SGMNT.Func. Class = R / MIN COL Or RD_SGMNT.Func. Class = U / MIN COL							

MORGAN COUNTY TRANSPORTATION PLAN

E. Bridges

Under Federal law, TDOT inspects all bridges over 20 feet long on public roads (state and local) every 24 months. These inspections allow the state to gather information needed to prioritize repairs, determine the load capacity, and weight limit postings if needed, and protect the safety of the traveling public.

Sufficiency ratings are calculated for the bridges. The sufficiency rating formula is a method of evaluating highway bridge data by calculating four separate factors to obtain a numeric value which is indicative of bridge sufficiency to remain in service. The sufficiency rating formula considers the following factors:

1. Structural Adequacy and Safety
2. Serviceability and Functional Obsolescence
3. Essentiality for Public Use
4. Special Reductions

The result of this method is a percentage in which 100 percent would represent an entirely sufficient bridge and zero percent would represent an entirely insufficient or deficient bridge.

If the percentage is less than 80, the bridge qualifies for rehabilitation. If the percentage is less than 50, the bridge qualifies for replacement.

The following “Bridge Selection List #1” and “Bridge Selection List #2” are the bridge priority lists that TDOT inspections have determined are the worst off-system (not on the interstate or state highway systems) bridges in Morgan County. All of these bridges on these 2 lists are County or City owned. Bridges on List #1 must be addressed before going to List #2.

The “Str Def” column indicates if the bridge is structurally deficient. The “Func Ob” column indicates if the bridge is functionally obsolete. These lists also include information on ADT (traffic volumes), length, width, loads, inspection date, and other information.

The 1990 Bridge Grant Program was established to assist local governments (cities and counties) with the replacement or rehabilitation of deficient bridges under their jurisdiction. 50% of funds are distributed equally among all 95 Tennessee counties, and then the remaining 50% based upon priority to counties with the most bridges in poor conditions. Eligible bridges are off system (not on the interstate or state routes), publicly owned bridges with sufficiency ratings less than 80, based on bridge condition.

The anticipated 2023 Bridge Grant Allocations for Morgan County is \$61,200. The current balance as of March 2023 for Morgan County is \$50,066.

In 2017, the State of Tennessee enacted the IMPROVE Act. Additional information on the act is included previously in this plan in the section entitled “IMPROVE Act”. The act provided for additional funding of transportation projects and included a project list for each county. The following list includes Morgan County bridge projects included in the act. As of December 2022, the local bridges on this list have been completed.

Program	Route	Project Description	Length (mi.)	IMPROVE Act Investments
Local Bridges	0A019	SEXTON LOOP BRIDGE OVER WHITEOAK CREEK	0.010	\$158,000
Local Bridges	0A153	HEBBERTBURG RD. BRIDGE OVER ISLAND CREEK	0.010	\$418,000
Local Bridges	0A253	MACEDONIA RD. BRIDGE OVER EMORY RIVER	0.010	\$550,000
Local Bridges	0A409	WMA RD. BRIDGE OVER ISLAND CREEK	0.010	\$874,000
Local Bridges	0A413	FROZEN HEAD STATE PARK RD BRIDGE OVER FLAT FORK CREEK	0.010	\$754,000
Local Bridges	2378	CAMP AUSTIN RD. BRIDGE OVER HALL BRANCH	0.010	\$479,000
State Bridges	SR-116	PETROS HWY. BRIDGE OVER STOCKSTILL CREEK LM 2.26	0.010	\$479,000
State Bridges	SR-116	PETROS HWY. BRIDGE OVER STOCKSTILL CREEK LM2.60	0.010	\$478,000
State Bridges	SR-298	GENESIS RD. BRIDGE OVER CLEAR CREEK	0.01	\$2,312,000

F. Resurfacing

Morgan County is responsible for resurfacing the 607.5 miles of county roads. State Aid funds can be used to resurface the 103.1 miles of county roads on the State Aid System. Other sources of funding are used to resurface local roads not on the State Aid System.

Typically, the State of Tennessee shares about \$400 million in gas and fuel taxes with local governments. Of the state’s gas tax of \$0.26 per gallon, about 25% goes to counties and 13% to cities for road construction and maintenance. City’s shares are based on population. Counties split one half of their allocation equally with the other half based on each county’s land area and population.

Bridge Selection List #1

(Off System Bridges H Load < 10)

Region: 1 County: MORGAN

Bridge No.	Route	Spcl Cse	Cnty Seq	Log Mile	Feature Crossed	Route Carried	Owner	Str Def	Func Ob	ADT	Adjusted ADT	Width	Adjusted Width	Length	H Load	Adjusted HLoad	Suf Rate	Insp Date	Options	Notes
650A3510001	0A351	0	1	0.03	MIDDLE FORK LITTLE EM	NFA 0A351	COUNTY	N	Y	150	150	9	9	41	6	6	21.3	3/4/21		

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Bridge Selection List #2

(Off System Bridges H Load >= 10)

Region: 1 County: MORGAN

Bridge No.	Route	Spcl Cse	Cnty Seq	Log Mile	Feature Crossed	Route Carried	Owner	Str Def	Func Ob	ADT	Width	Length	H Load	Suf Rate	Insp Date	Options	Notes
650A3660001	0A366	0	1	0.03	MIDDLE FORK LITTLE EMORY	NFA 0A366	COUNTY	N	Y	150	12	55	10	46.2	3/4/21		
650A2530005	0A253	0	1	4.71	EDMUND BRANCH	NFAA253	COUNTY	N	N	40	13	20	15	49.1	3/2/21		
650A1110001	0A111	0	1	1.56	CLEAR CREEK	NFAA111	COUNTY	N	Y	30	12	205	20	62.8	2/10/21		Too large for Bridge Grant Pgrm
650A2240001	0A224	0	1	2.32	SOUTHERN RAILWAY	NFA A224 641853G	CITY	N	Y	430	16	102	20	63.5	1/27/21		
650A2610001	0A261	0	1	0.43	MUD CREEK	NFAA261	COUNTY	N	Y	170	15	34	15	67.7	2/3/21		
650A3420001	0A342	0	1	0.20	LITTLE EMORY RIVER	NFAA342	COUNTY	N	N	160	21	103	20	66.0	3/4/21		Too large for Bridge Grant Pgrm
65023660001	02366	0	1	1.75	DRY CREEK	NFA 2366 (SA 6508)	COUNTY	N	N	424	22	27	20	69.7	3/2/21		
650A2830001	0A283	0	1	0.04	CROOKED FORK CREEK	NFAA283	COUNTY	N	N	930	24	57	20	69.8	1/19/21		
65SR0290017	0A490	0	1	0.39	BRANCH	NFAA490	COUNTY	N	N	130	24	33	15	70.1	2/3/21		
650A3290001	0A329	0	1	0.04	MIDDLE FORK CREEK	NFAA329	COUNTY	N	N	500	22	27	20	70.2	1/19/21		
65012340003	01234	0	1	3.42	FLAT FORK CREEK	NFA 1234 (SA 6509)	COUNTY	N	Y	2309	22	67	20	71.4	2/4/21		
65023940003	02394	0	1	4.20	BONE CAMP CREEK	NFA 2394 (SA 6512)	COUNTY	N	Y	466	32	122	19	73.5	1/20/21		
650A1040001	0A104	0	1	5.94	CLEAR CREEK	NFAA104	COUNTY	N	Y	80	20	243	15	74.5	2/10/21		Too large for Bridge Grant Pgrm
650A3370001	0A337	0	1	0.02	BRANCH	NFAA337	COUNTY	N	N	290	20	22	15	75.7	2/4/21		
650A2510001	0A251	0	1	0.01	EMORY RIVER	NFAA251	COUNTY	N	Y	160	22	136	20	77.2	3/2/21		
650A0010001	0A001	0	1	1.15	CRAB ORCHARD CREEK	NFAA001	COUNTY	N	N	110	19	39	15	77.7	3/3/21		
650A1440001	0A144	0	1	2.25	WHITE CREEK	NFAA144	COUNTY	N	N	180	22	166	20	79.4	2/9/21		Too large for Bridge Grant Pgrm
65023760013	02376	0	1	13.20	MUD LICK CREEK	NFA 2376 (SA 6502)	CITY	N	Y	542	19	26	20	66.9	2/17/21	Oakdale	

G. Transportation Needs in Oakdale

The following table “Roadways in Oakdale, Sunbright and Wartburg” lists the state routes and minor collectors in each of these jurisdictions. The table includes the following information: beginning and ending log miles, route number, road name, administrative system, government control, functional classification, incorporated area and number, special systems, right-of-way width, pavement width, shoulder width and 2021 traffic data in vehicles per day.

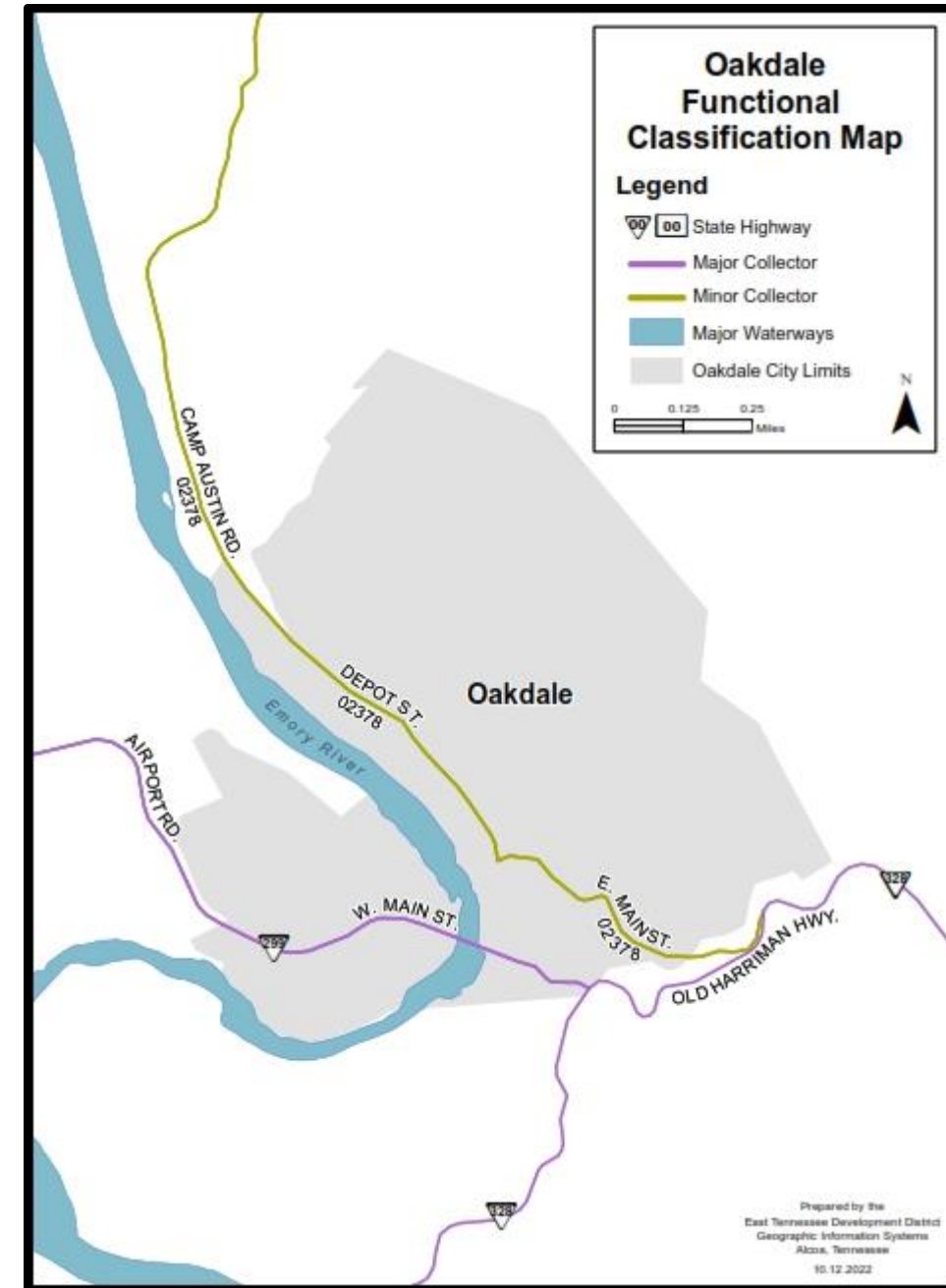
Design standards for minor collectors are a function of terrain, design speed, average daily traffic, and others. These standards are shown on the previous illustration “Design Standards for Collectors, 2-Lane Roads and Streets”. These standards recommend a minimum lane width of 10 to 12 feet and minimum shoulder width of 2 to 8 feet depending on actual design speed and average daily traffic.

Roadways in Oakdale on TDOT’s functional classification system are shown on the following map “Oakdale Functional Classification Map”. The state routes and minor collectors in Oakdale are Depot Street, E. Main Street, SR 299 (West Main Street) and SR 328 (Old Harrison Highway).

Some of the minor collectors in Oakdale are deficient in lane width, shoulder width, right-of-way width, and others. However, these minor collectors in Oakdale generally carry low traffic volumes, less than 550 vehicles per day.

Some sections of SR 299 in Oakdale are deficient in lane width, shoulder width and others. Some sections of SR 328 are deficient in lane width, shoulder width and others.

Additional information regarding bicycle, pedestrian, trails, and transit can be found in Chapter VI, “Other Modes of Transportation.”



MORGAN COUNTY TRANSPORTATION PLAN

Roadways in Oakdale, Sunbright and Wartburg													
BLM	ELM	Route	Road Name	Adm. Sys.	Gov. Cont.	Func. Class	Inc Area Nbr	Sp Systems	ROW Width	No. Lns.	Pavement Width	Shoulder Width	Traffic 2021 AADT
12.307	12.480	02378	DEPOT ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	218 - OAKDALE	STATE AID SYSTEM	40	2	17	2	542
12.480	13.056	02378	DEPOT ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	218 - OAKDALE	STATE AID SYSTEM	40	2	20	1 to 2	542
13.056	13.491	02378	E. MAIN ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	218 - OAKDALE	--	40	2	14	1	542
9.414	10.140	SR 299	WEST MAIN ST.	05-STP RURAL, STATE	STATE HWAY AGENCY	R / MAJ COL	218 - OAKDALE	--	34 to 100	2	20 to 22	1 to 10	1780 to 1816
2.573	2.613	SR 328	OLD HARRISON HWY.	05-STP RURAL, STATE	STATE HWAY AGENCY	R / MAJ COL	218 - OAKDALE	--	50	2	20	1 to 2	814
0.000	0.730	02394	BURRVILLE RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	STATE AID SYSTEM	40	2	20	2	466
0.730	0.766	02394	BURRVILLE RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	STATE AID SYSTEM	40	2	20	2	466
0.000	2.870	02390	HUGH JONES RD.	2.61312-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	--	36	2	20	2	135
0.000	0.100	02392	MILL CREEK RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	--	40	2	24	2	387
0.100	0.332	02392	MILL CREEK RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	344 - SUNBRIGHT	--	40	2	20	2	387
22.080	24.990	SR 29/US 27	MORGAN CNTY. HWY.	03-NHS RURAL, STATE	STATE HWAY AGENCY	R / OTH PRIN ART	344 - SUNBRIGHT	FED. DESG. TRUCK ROUTE & TN BICYCLE ROUTE	66 to 120	2	24	2 to 12	2086 to 3166
7.003	9.710	SR 329	DEER LODGE HWY.	05-STP RURAL, STATE	STATE HWAY AGENCY	R / MAJ COL	344 - SUNBRIGHT	--	40 to 50	2	20 to 22	1 to 14	671 to 1124
15.030	15.084	00884	CATOOSA RD.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	40	2	20	1	792
15.274	15.330	00884	CHURCH ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	40	2	20	1	792
15.330	16.390	00884	MAIN ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	50	2	20 - 22	3	4092
3.335	3.730	02386	MAIN ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	--	50	2	22	3	2166
15.084	15.274	00884	SPRING ST.	12-OTHER CITY STREETS	MUNICIPAL HWAY AGENCY	R / MIN COL	303 - WARTBURG	STATE AID SYSTEM	40	2	20	1	792
10.680	11.866	SR 29/US 27	MORGAN CNTY. HWY.	03-NHS RURAL, STATE	STATE HWAY AGENCY	R / OTH PRIN ART	303 - WARTBURG	FED. DESG. TRUCK ROUTE & TN BICYCLE ROUTE	80 to 150	2 to 4	24	2 to 12	4266 to 5174
20.155	21.152	SR 62	KNOXVILLE HWY.	05-STP RURAL, STATE	STATE HWAY AGENCY	R / MIN ART	303 - WARTBURG	--	100 to 150	4	24	2 to 12	7968
Query: Road System County = MORGAN													
RD_SYS.County = MORGAN													
RD_SGMNT.Func. Class = R / MIN COL Or RD_SGMNT.Func. Class = U / MIN COL													
Add: Roadway Geometry													
ADD: Pavement Width & Shoulder Width from separate Etrims Roadway Description File													

H. Transportation Needs in Sunbright

As previously discussed, the table “Roadways in Oakdale, Sunbright and Wartburg” lists the state routes and minor collectors in Sunbright and other municipalities in Morgan County. The table includes the following information: beginning and ending log miles, route number, road name, administrative system, government control, functional classification, incorporated area and number, special systems, right-of-way width, pavement width, shoulder width and 2021 traffic data in vehicles per day.

Roadways in Sunbright on TDOT’s functional classification system are shown on the following map “Sunbright Functional Classification Map”. The state routes and minor collectors in Sunbright are Burrville Road, Hugh Jones Road, Mill Creek Road, SR 29 / US 27 (Morgan County Highway), and SR 329 (Deer Lodge Highway).

Some of the minor collectors in Sunbright may be deficient in lane width, shoulder width, right-of-way width, and others. However, these minor collectors in Sunbright generally carry low traffic volumes, less than 500 vehicles per day.

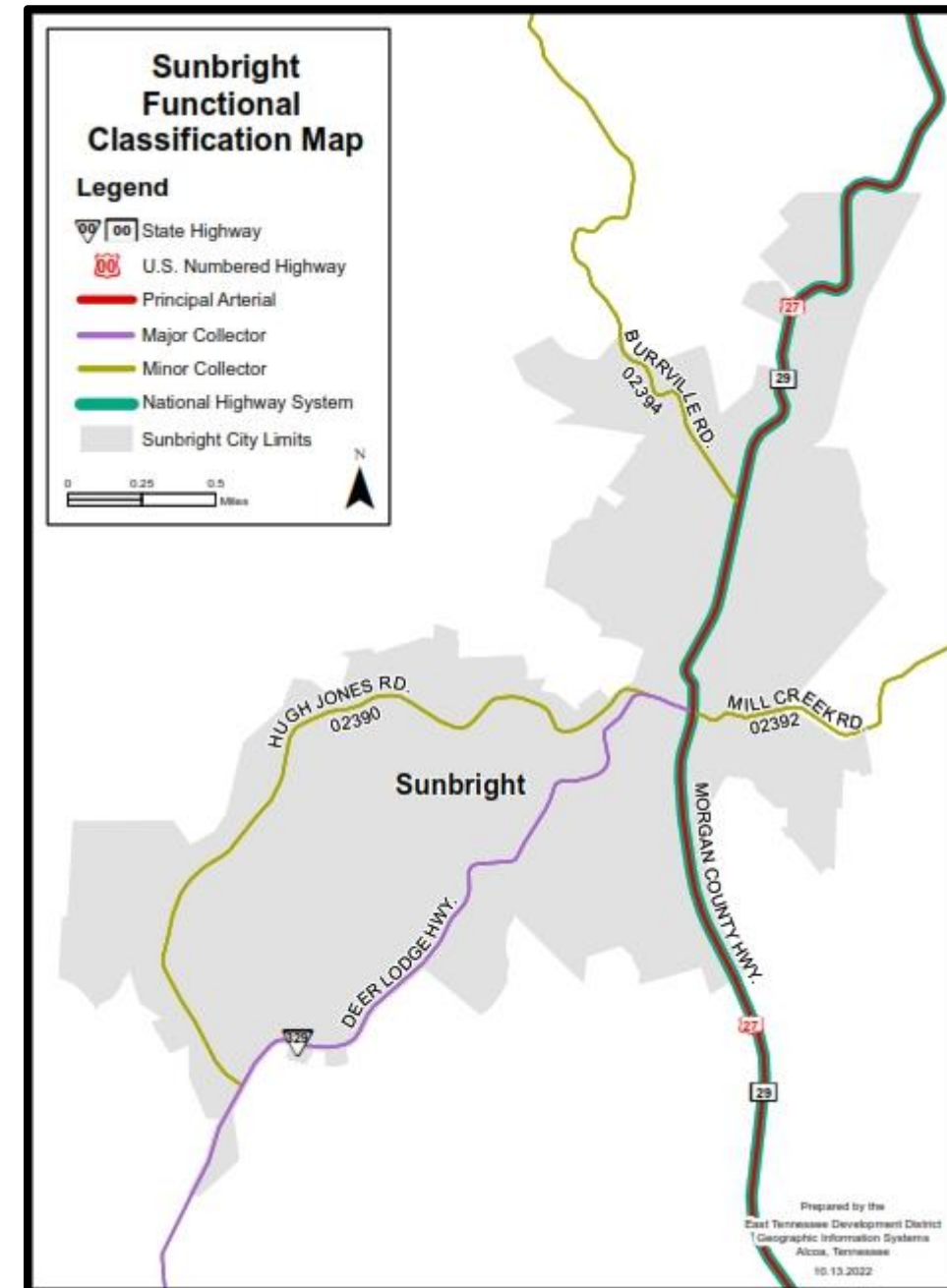
Some sections of SR 329 in Sunbright are deficient in shoulder width and possibly others. Some sections of SR 29 / US 27 in Sunbright are deficient in shoulder width and possibly others.

In December 2022 and February 2023, input was received from officials in Sunbright and Morgan County regarding transportation needs in Sunbright. The local officials were presented information on active TDOT projects, project fact sheets, TDOT resurfacing projects, crash information on state routes and local roads, traffic information, TDOT grants, a questionnaire, and other information. The following are the comments received regarding transportation needs in Sunbright.

1. SR 29 / US 27 and Burrville Road in Sunbright are congested when school is in session.
2. SR 29 / US 27 north has dangerous curves causing multiple crashes with injuries and crashes.
3. The intersection of SR 329 and SR 29 / US 27 has a history of multiple severe crashes.
4. New or updated signage is needed at the following locations in Sunbright: SR 329 and Hugh Jones Road; east end and southwest end of Hugh Jones Road; SR 29 / US 27 in Sunbright signage and traffic calming devices.
5. Widening and straightening SR 29 / US 27 north and south into Sunbright would promote economic development and job creation.
6. SR 329 should be straightened and widened at the intersection of SR 329 and Hugh Jones Road.
7. Burrville Road in Sunbright is congested when school is in session.
8. Sunbright is interested in trails.
9. Sunbright is interested in a bicycle trail and pedestrian trail along SR 29 / US 27.

A summary of all the comments received can be found in Chapter VIII, Public Input and Local Officials Input.

Additional information regarding bicycle, pedestrian, trails, and transit can be found in Chapter VI, “Other Modes of Transportation.”



MORGAN COUNTY TRANSPORTATION PLAN

I. Transportation Needs in Wartburg

As previously discussed, the table “Roadways in Oakdale, Sunbright and Wartburg” lists the state routes and minor collectors in Wartburg and other municipalities in Morgan County. The table includes the following information: beginning and ending log miles, route number, road name, administrative system, government control, functional classification, incorporated area and number, special systems, right-of-way width, pavement width, shoulder width and 2021 traffic data in vehicles per day.

Roadways in Wartburg on TDOT’s functional classification system are shown on the following map “Wartburg Functional Classification Map”. The state routes and minor collectors in Wartburg are Catoosa Road, Spring Street, Church Street, Main Street, SR 29 / US 27 (Morgan County Highway), and SR 62 (Knoxville Highway).

Catoosa Road and Church Street in Warburg appear to be deficient in shoulder width. However, these minor collectors generally carry low traffic volumes, less than 800 vehicles per day. Main Street appears to be deficient in lane width and shoulder width. Main Street carries a significant traffic volume ranging from 2166 to 4092 vehicles per day.

Some sections of SR 29 / US 27 in Wartburg are deficient in shoulder width. SR 62 in Wartburg is a five-lane facility with curb and gutter. SR 62 has sidewalks on both sides for most of the section in Warburg. SR 62 in Wartburg appears adequate to carry current traffic volumes.

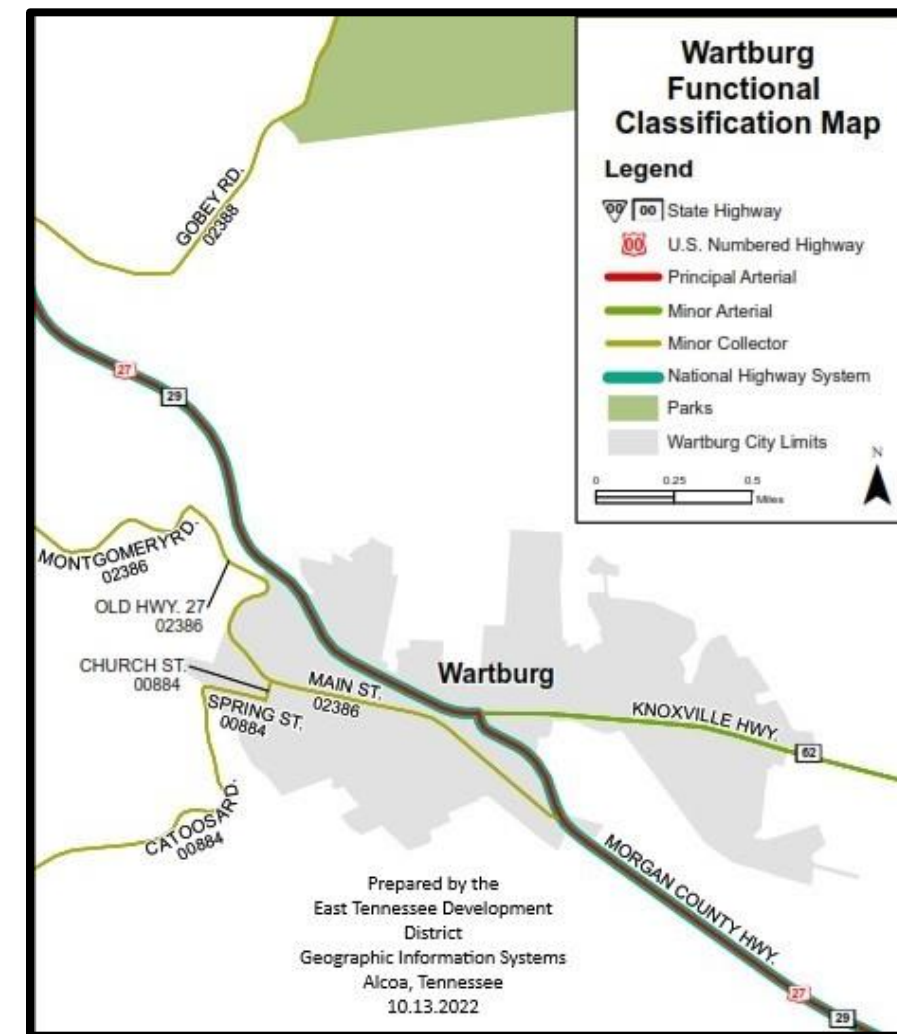
In December 2022 and February 2023, input was received from officials in Wartburg and Morgan County regarding transportation needs in Wartburg. The local officials were presented information on active TDOT projects, project fact sheets, TDOT resurfacing projects, crash information, traffic information, TDOT grants, a questionnaire, and other information. The following are the comments received regarding transportation needs in Wartburg.

1. Crosswalks and pedestrian signals are needed at the intersection of SR 62 and SR 29 / US 27.
2. State Route 62 and SR 29 / US 27 in Wartburg need updated signalization.
3. Heavy congestion occurs on SR 62 in Wartburg primarily during the hours of drop off and pick up of students at the two schools one mile apart.
4. Multiple severe crashes have occurred at the intersection of SR 29 / US 27 and Mill Street in Wartburg.
5. A flashing caution light is needed at the intersection of SR 29 / US 27 and Kingston Street due to a blind corner.
6. A flashing caution light is needed at the intersection of SR 29 / US 27 and Liberty Road.
7. Planned improvements to SR 62 and SR 29 / US 27 should be completed at the earliest possible date.
8. New signalization needs to be installed at the intersection of SR29/US27 and Mill Road (intersection of Sav A Lot).
9. Cumberland Trail through Wartburg needs to be completed.
10. Sidewalks are needed connecting the schools. Sidewalks are also needed to provide safe connections to the Cumberland Trail.
11. New or updated signage is needed on Montgomery Road, Main Street, and Potters Chapel Road.
12. Sidewalks are needed on Main Street (Old US 27), South Kingston Street and North Kinston Street to Race Track Road.

13. Sidewalks should be continued on SR 62 from Wartburg Elementary to Letory Road.
14. Sidewalks/Bike Trails along SR29/US27 in Wartburg. Sidewalks currently exist on SR62 in Wartburg but end at the intersection with SR29/US27. These need to be continued along SR29 north to North Kingston Street, which provides access to Historical downtown, Morgan County Courthouse, Morgan County Sheriff’s Offices, Big South Fork, Obed Scenic River Offices.
15. The section of the Cumberland Trail through Wartburg needs to be completed. This section in Wartburg is one of the very few areas lacking completion. There needs to be a pedestrian bridge across SR29/SR62 just north of the intersection. This would provide access to the Cumberland trail and tie the two sections together in the area of the Morgan County Visitors Center.

A summary of all the comments received can be found in Chapter VIII, Public Input and Local Officials Input.

Additional information regarding bicycle, pedestrian, trails, and transit can be found in Chapter VI, “Other Modes of Transportation.”



VI. OTHER MODES OF TRANSPORTATION

A. Pedestrians and Bicycles

The following map “Morgan County Bike Pedestrian Infrastructure Map” shows existing sidewalks, designated bike routes and the existing and proposed Cumberland Trail.

In Warburg, sidewalks are located along sections of SR 62, SR 29 / US 27 and several local streets as shown on the map. Sunbright has two short sections of sidewalks on Methodist Street and SR 29 / US 27. The entire section SR 29 / US 27 in Morgan County is a designated bike route. The map also shows existing and proposed sections of the Cumberland Trail which crosses Morgan County in a generally east – west direction from Anderson County to Cumberland County. When completed, the Cumberland Trail will traverse more than 300 miles and 11 counties in Tennessee. The section of the Cumberland Trail in Morgan County will connect Frozen Head State Park and the Obed Wild and Scenic River by way of Main Street in downtown Wartburg.

The “City of Wartburg Pedestrian & Bicycle Master Plan” was completed in December 2017. The purpose of the plan was to make recommendations for new and improved pedestrian and bicycle infrastructure in Wartburg and the surrounding area. Existing and proposed pedestrian and bicycle infrastructure is shown on the following three maps: “City of Wartburg – Issues and Opportunities”, “City of Wartburg – Regional Routes”, and “City of Wartburg – Proposed Improvements”.

In December 2022 and February 2023, input was received from officials in Morgan County regarding pedestrian and bicycle infrastructure needs in the county and municipalities. The following are the comments received regarding pedestrian and bicycle infrastructure needs.

1. SR 62 and SR 29 / US 27 should have markings providing for runners and pedestrians.
2. SR 29 / US 27 from Wartburg to SR 328 needs shoulders for bikers and pedestrians.
3. If Flat Fork is improved, bike lanes should be added to accommodate a large volume of bikers destined to and from Frozen Head State Park.
4. Cumberland Trail through Wartburg needs to be completed.
5. Sidewalks are needed connecting the schools. Sidewalks are also needed to provide safe connections to the Cumberland Trail.
6. The area is seeing a significant increase in bicyclist. Additional bicycle and pedestrian facilities are needed.
7. The area is interested in new trails or greenways.
8. Sidewalks / Bike Trails along SR29 / US27 in Wartburg. Sidewalks currently exist on SR62 in Wartburg but end at the intersection with SR29 / US27. These need to be continued along SR 29 north to North Kingston Street, which provides access to the Historical downtown, Morgan County Courthouse, Morgan County Sheriff’s Offices, Big South Fork, Obed Scenic River Offices.
9. The section of the Cumberland Trail through Wartburg needs to be completed. This section in Wartburg is one of the very few areas lacking completion. There needs to be a pedestrian bridge across SR29/SR62 just

north of the intersection. This would provide access to the Cumberland trail and tie the two sections together in the area of the Morgan County Visitors Center.

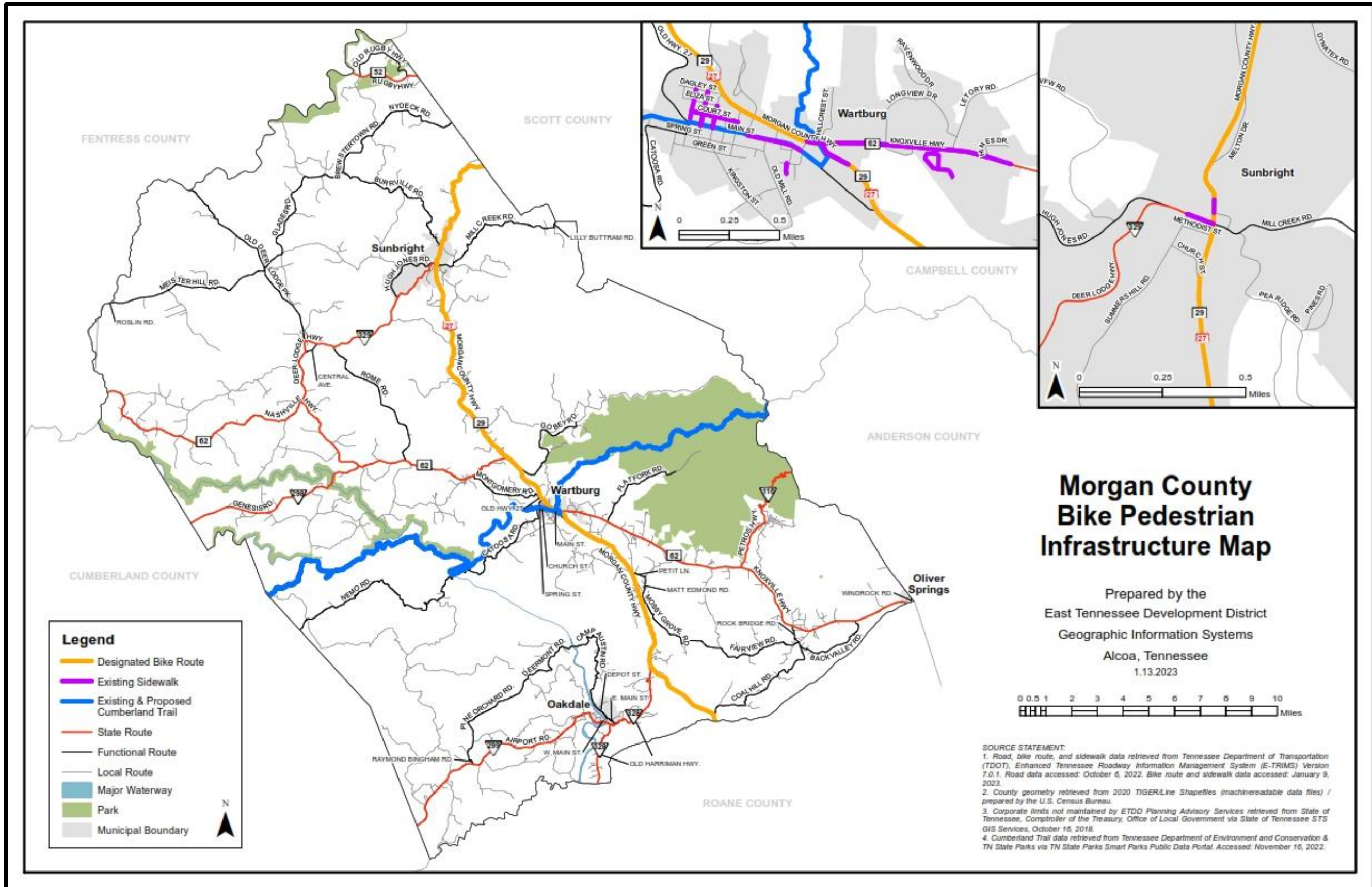
It is recommended that careful consideration be given to incorporating pedestrian and bicycle facilities into the proposed projects on state routes previously discussed in this report. The TDOT Multimodal Project Scoping Manual was developed to provide planners, engineers, and decision makers guidance for incorporating multimodal elements including pedestrian and bicycle facilities into new projects. The process includes input from local officials.

Roadway resurfacing projects can also incorporate pavement markings for bicycle and pedestrian facilities. The state bicycle and pedestrian coordinator receives resurfacing lists as part of the Resurfacing Delivery Schedule and compares the project lists with state and local bicycle and pedestrian plans, as well as consults with local officials and RPOs staffs. The bike/ped coordinator then makes recommendations to the resurfacing coordinator for bike/pedestrian upgrades to be included in resurfacing plans. The resurfacing coordinator then works with local governments to determine their desire for upgrade and coordinates the inclusion of a striping plan.

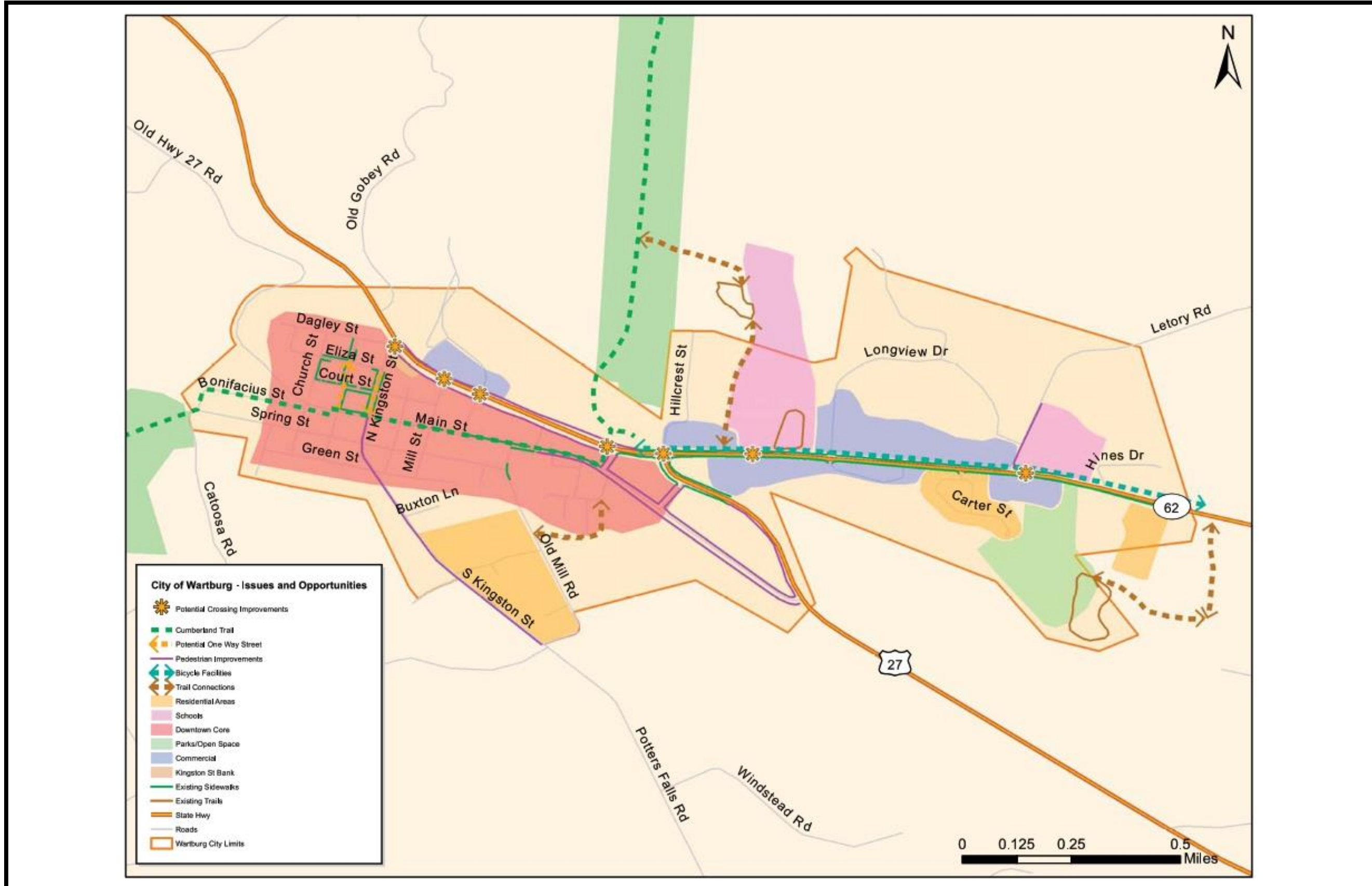
Other than the resurfacing projects discussed above, local officials are primarily responsible for initiating and funding new sidewalks, bike paths, etc. on the state and local highway systems. Grant programs are available from TDOT to help fund the design, right-of-way, and construction of these pedestrian and bicycle facilities. These various grant programs are discussed in Section VII, “TDOT Grant Programs”.



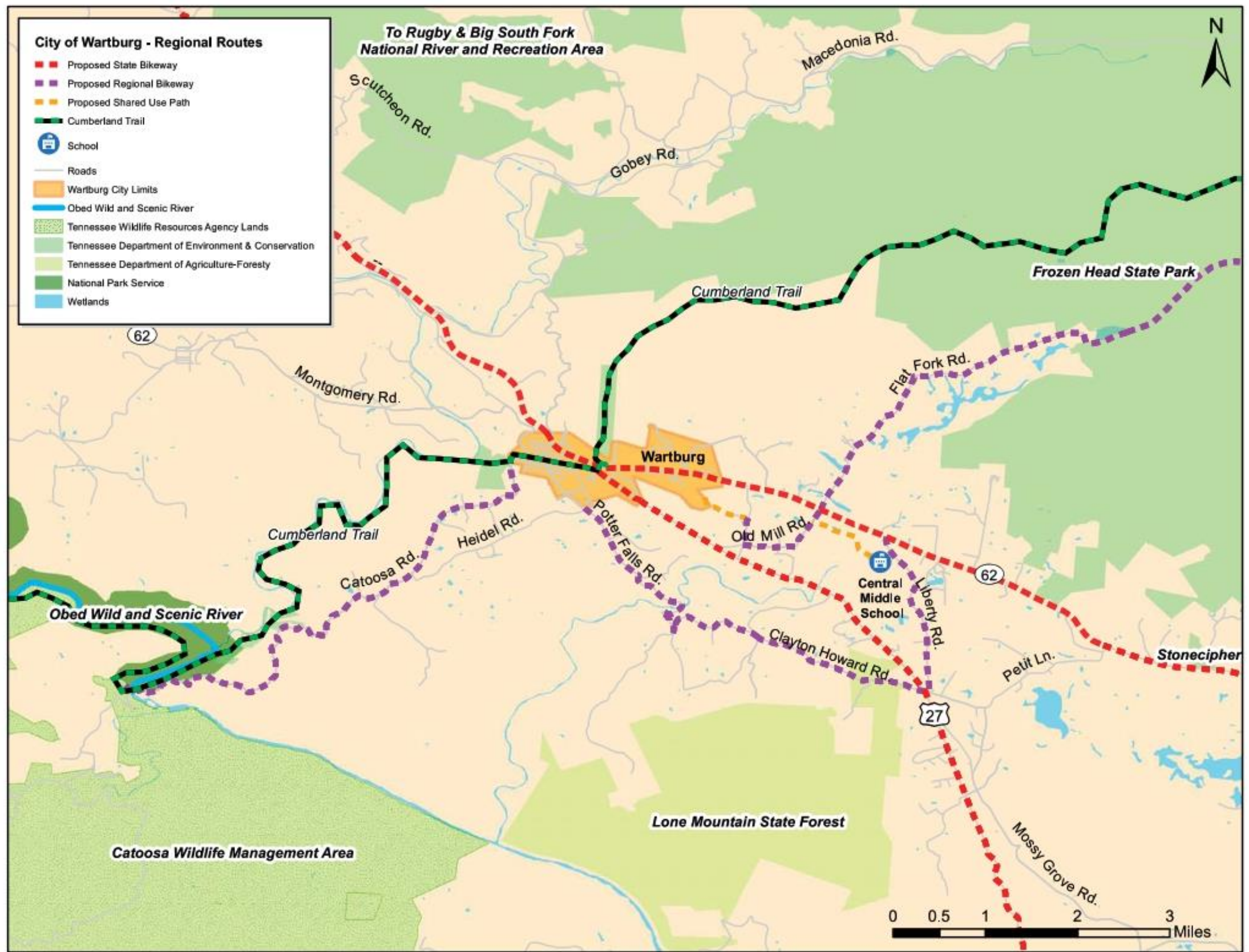
MORGAN COUNTY TRANSPORTATION PLAN



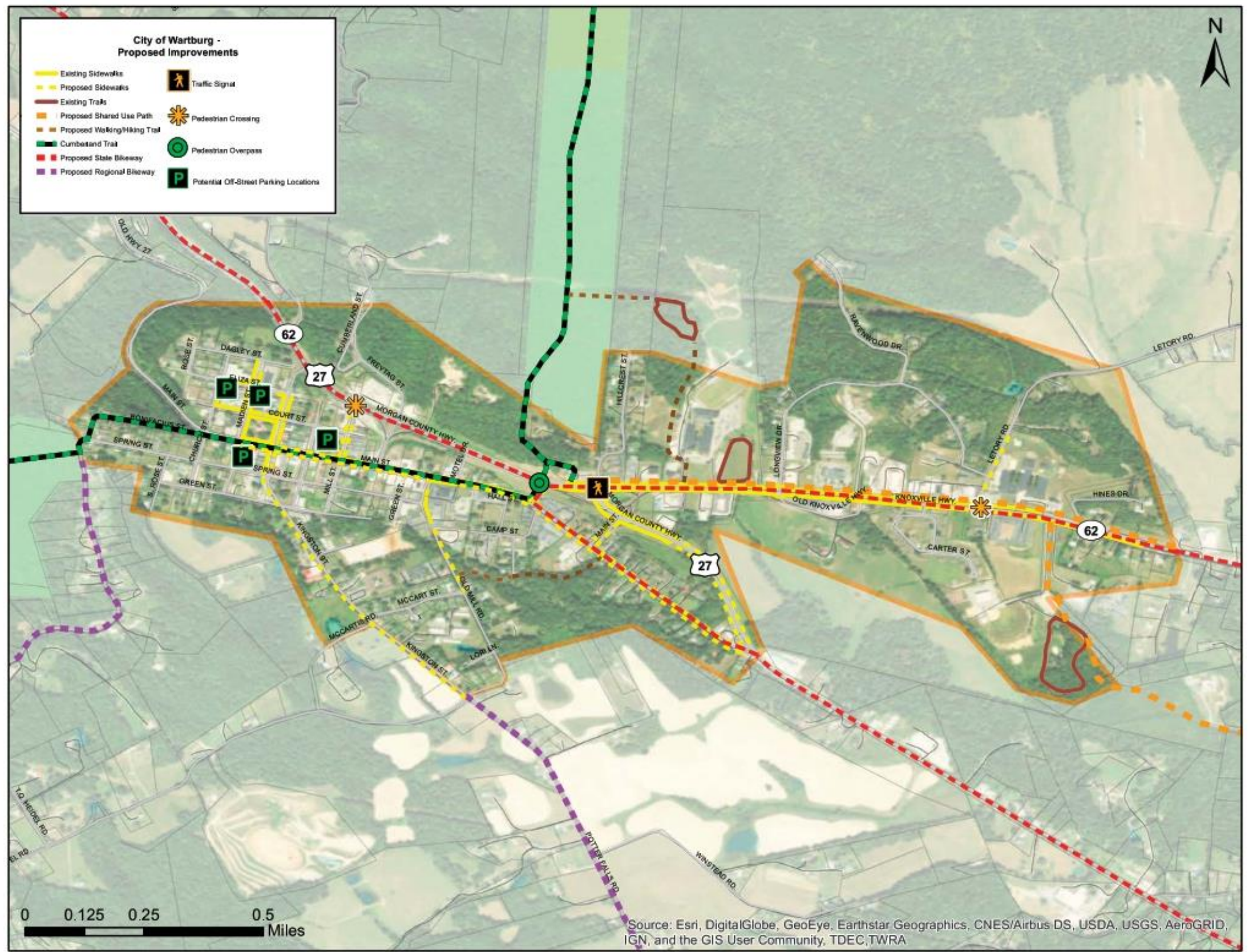
MORGAN COUNTY TRANSPORTATION PLAN



MORGAN COUNTY TRANSPORTATION PLAN



MORGAN COUNTY TRANSPORTATION PLAN



MORGAN COUNTY TRANSPORTATION PLAN

B. Transit

Transit service in the area is provided by the East Tennessee Human Resource Agency (ETHRA) Public Transit. ETHRA is one of nine HRAs organized under The Tennessee Human Resource Agency Act of 1973. The Agency is locally governed and works in partnership with communities, local officials, government programs, and businesses. Corporate offices are headquartered in Knox County with satellite offices throughout the region. Approximately 400 staff work throughout the region.

As a public, non-profit agency, ETHRA has operated transportation programs since the mid-1970s. Approximately 100 vehicles are now on the road every day helping individuals access community and health services. Drivers travel throughout the region and clock over three million miles a year. Public and medical transportation are essential to help thriving, active communities.

The agency provides public transit services in the 16 East Tennessee Development District counties of Anderson, Blount, Campbell, Claiborne, Cocke, Grainger, Hamblen, Jefferson, Knox, Loudon, Monroe, Morgan, Roane, Scott, Sevier, and Union.

First priority for ridership is given to elderly and disabled persons with medical needs. Other popular destinations include, but are not limited to, shopping centers, senior and community centers, airports, and educational facilities.

ETHRA Public Transit operates Monday through Friday from 8 a.m. to 4:30 p.m. Customers should call three business days in advance. The phone number to schedule transportation is 1-800-232-1565.

Fares currently are as follows: In County - \$3.00; County Line Crossed - \$3.00; Extra Stops - \$1.00 each stop; Children (under 6) - \$1.50.

Additional information can be found at: <https://www.ethra.org/services/5/transportation/>.

C. Railroads

Morgan County has rail access serviced by Norfolk Southern Railway. This railway line does not provide service to passengers and is used mainly for freight distribution.

D. Airports

The nearest general aviation airport is in Rockwood in Roane County. This airport is located on SR 299 just north of I-40. The airport has a 5,000-foot runway. Hangars are available for both private and commercial aircraft. Rockwood Airport is serviced by Pro Rent A Car. 24-hour self-serve jet fuel and piston fuel are available.

The McGhee Tyson Airport is the nearest commercial airport located approximately 47 miles outside the county and 12 miles south of Knoxville within the Knoxville Metropolitan Area. This is a public/military airport, owned by the Metropolitan Knoxville Airport Authority, serving the commercial airline industry, military aviation, as well as air cargo, for an approximate nine county region. The airport is served by several major airlines and is the home base of the

Tennessee Air National Guard's 34th Air Refueling Wing. The airport has a recently lengthened 10,000-foot-long runway and a 9,000-foot-long runway.

E. Waterways

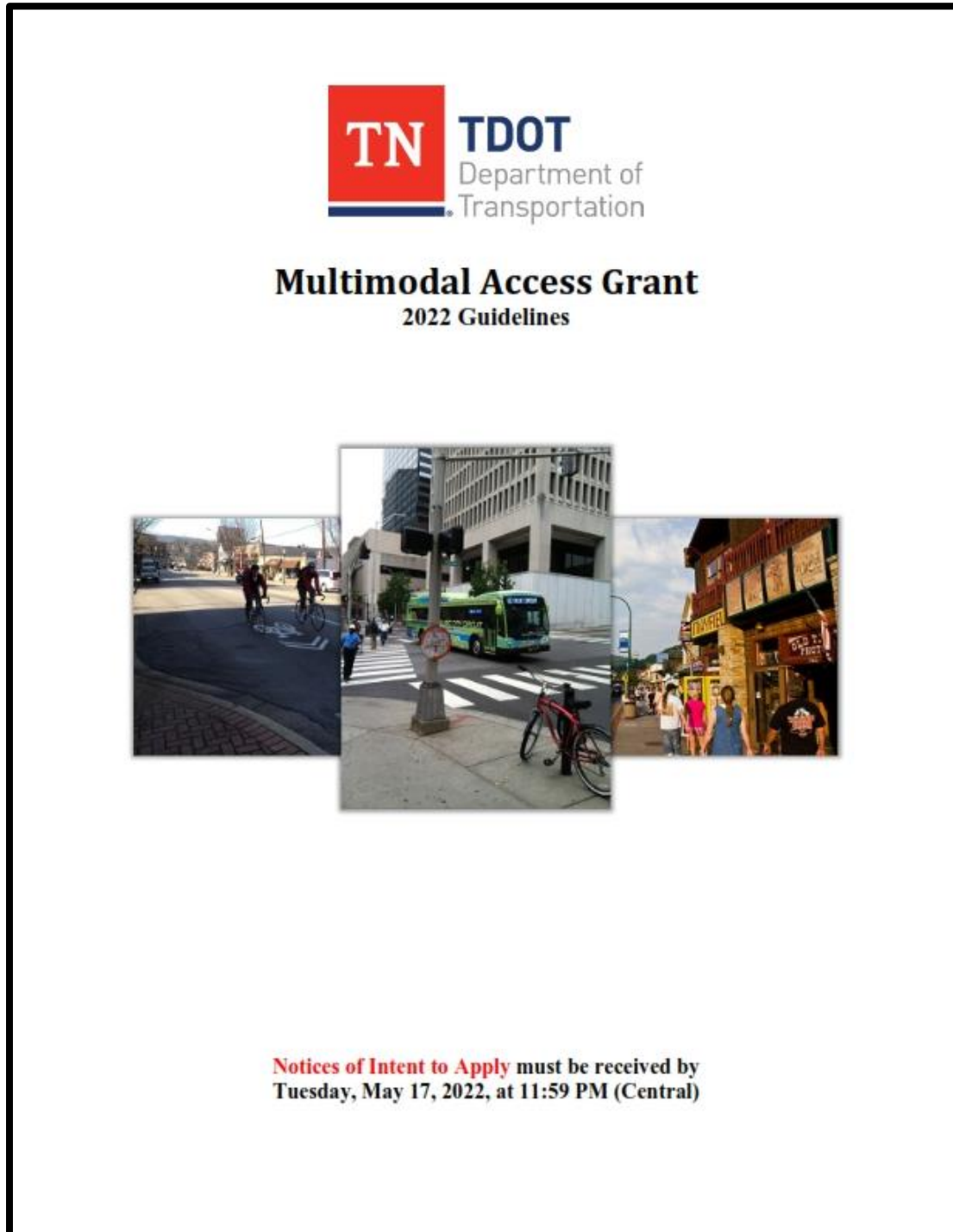
Morgan County does not have a port. The nearest ports are in Lenoir City and Knoxville on the Tennessee River.



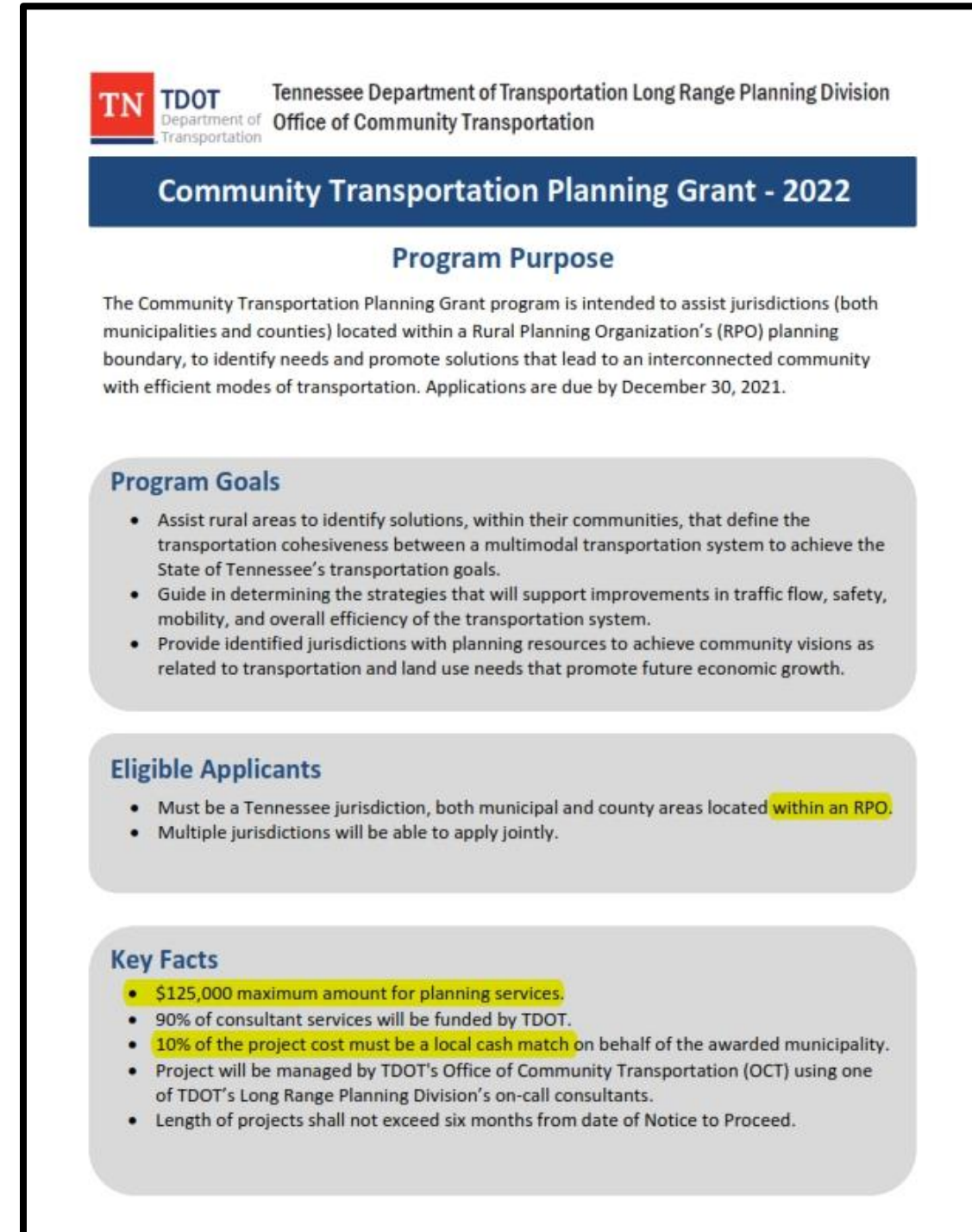
VII. TDOT GRANT PROGRAMS

The TDOT has multiple grant programs available to local governments for various transportation projects. These grants are discussed on the following “Tennessee Department of Transportation (TDOT) Grant Information”.

Additional information on funding transportation projects can be found on TDOT’s Transportation Funding Database at: [Microsoft Power BI \(powerbigov.us\)](https://powerbigov.us)



The cover page for the TDOT Multimodal Access Grant 2022 Guidelines features the TDOT logo at the top center. Below the logo, the title "Multimodal Access Grant" is prominently displayed in a large, bold, black font, with "2022 Guidelines" centered underneath in a smaller font. The central graphic consists of three overlapping photographs: the leftmost shows a street scene with a green bus and a person on a bicycle; the middle shows a modern building with a glass facade; the rightmost shows a group of people walking on a sidewalk. At the bottom of the page, a red text box contains the deadline information: "Notices of Intent to Apply must be received by Tuesday, May 17, 2022, at 11:59 PM (Central)".



This slide provides details for the Community Transportation Planning Grant - 2022. It features the TDOT logo and the text "Tennessee Department of Transportation Long Range Planning Division Office of Community Transportation" at the top. A dark blue header bar contains the title "Community Transportation Planning Grant - 2022". Below this, the "Program Purpose" section explains that the grant is intended to assist jurisdictions within a Rural Planning Organization's (RPO) boundary to identify needs and promote solutions for an interconnected community with efficient transportation modes, with applications due by December 30, 2021. The "Program Goals" section lists three bullet points: assisting rural areas to identify solutions for multimodal transportation, guiding strategies for traffic flow and safety improvements, and providing planning resources for community visions. The "Eligible Applicants" section states that applicants must be Tennessee jurisdictions within an RPO and can apply jointly. The "Key Facts" section lists five bullet points: a maximum grant amount of \$125,000 for planning services, 90% funding by TDOT, a 10% local cash match requirement, management by TDOT's Office of Community Transportation (OCT), and a maximum project length of six months.

State Aid Program

The State Aid Program provides funds to county governments for the improvement or rehabilitation of roads on the State Aid System. Types of qualifying work include the planning, engineering, Right-of-Way acquisition, grading, drainage, bridge construction, and pavement upgrades or rehabilitation. For more information contact John.Phillips@tn.gov



Surface Transportation Block Grant

Previously known as the Surface Transportation Program (STP), the Surface Transportation Block Grant (STBG) provides flexible funding that may be used on projects to preserve and improve the conditions and performance on any Federal Aid Highway, bridge and tunnel projects on any public road, pedestrian and bicycle infrastructure, and transit capital projects, including inter-city bus terminals. For more information contact Whitney.Britt@tn.gov



Maximum award amount determined by County population and road miles
For Cities with populations over 5,000

Multimodal Access Grant

The Multimodal Access Grant provides funding to Tennessee cities and counties for projects that support multimodal transportation choices and connectivity along state routes. Examples of projects include, but are not limited to, sidewalk improvements, safe pedestrian crossings, shared use paths, park and ride facilities, and construction of bus shelters. The grant is 95% state / 5% local match with a maximum award of \$950,000 in state dollars. The grant funding covers all phases of project development including Preliminary Engineering, Design, Right-of-Way, and Construction. For more information, contact Byron Head or Jessica Wilson at TDOT.MultimodalPlanning@tn.gov



Maximum award amount

Litter Grants

A specialty tax on the malt beverage and soft drink industry funds the Tennessee Litter Grant Program. Grant funds are contracted to county governments only and are designed for the pick-up and prevention of roadside litter. For more information contact Michael.McClanahan@tn.gov



Maximum award amount determined by County population and road miles

Highway Safety Improvement Program (HSIP)

The Highway Safety Improvement Program (HSIP) is a core program with the purpose of achieving a significant reduction in fatalities and serious injuries on all public roads. States are required to report annually on the progress being made to advance HSIP implementation and evaluation efforts.



No maximum award amount
\$9.5 million annual allocation, statewide

An HSIP project is identified through TDOT's safety needs investigation process and must be qualified using the three (3) most current years of crash data. Local routes qualify on (6) six years of current crash data.

The primary tool for HSIP is the Road Safety Audit (RSA). An RSA is a proactive low cost approach to improve safety including a formal safety performance examination of an existing road or intersection(s) by an independent, multidisciplinary team. It qualitatively estimates and reports on potential road safety issues and identifies opportunities for improvements in safety for all road users. TDOT works with Federal, State and Local jurisdictions to implement RSAs. For more information contact Brandon.Darks@tn.gov



TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT)



Grant Information

The Tennessee Department of Transportation oversees the annual distribution of millions of dollars in grant funds awarded to both State and Local transportation-related projects. Current grant projects are listed below.

Interchange Lighting Program

This program provides funding to interstate interchanges and exit ramps on interstate or interstate-type facilities. All projects must be completed in compliance with TDOT standards. For more information contact Whitney.Britt@tn.gov



*Can use STBG funds to offset match

Local Interstate Connector Program

The Local Interstate Connecting Route Act of 1965 authorized TDOT to contract with cities and counties to establish and construct a system of connector routes to furnish citizens of Tennessee with adequate access to the interstate highway system from existing road and street networks.



*Can use STBG funds to offset match

Eligible local interstate connector routes provide or facilitate appropriate ingress and egress between an interstate facility and a road of important benefit to a locality. For more information contact Whitney.Britt@tn.gov

State Industrial Access Program (SIA)

The State Industrial Access Program provides funding and technical assistance for highway access to new and expanding industries across the state. TDOT contracts with local governments for projects that will be developed under the State Industrial Access Program. For more information contact Danielle.Hagewood@tn.gov



Determined by development process

Maximum award amount Determined by benefit cost analysis

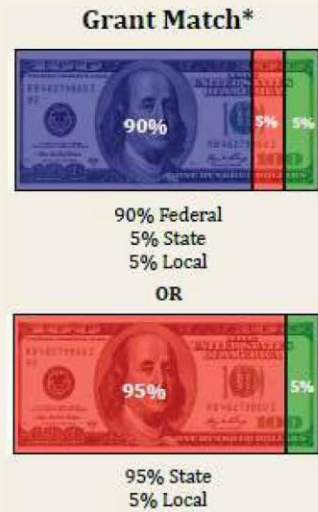
Community Transportation Planning Grants (CTPG)

The Community Transportation Planning Grant program provides resources that assist Tennessee communities in developing transportation plans for preparation for future transportation system, land use, and growth management issues. For more information contact Kwabena.Aboagye@tn.gov



Aeronautics Grants

TDOT Aeronautics provides grants to qualifying airports in Tennessee for capital improvement projects. Projects meeting eligibility requirements are prioritized and preference is given to projects addressing safety, security, preservation/maintenance, and/or compliance with Federal and State standards. Projects associated with economic development, increasing capacity, or modernization will be considered on a case by case basis. Project funding requests over \$100,000 are reviewed by the Tennessee Aeronautics Commission. For more information contact Michelle.Frazier@tn.gov



*Representative of the most common funding percentages. Other funding splits are available, depending on the specific details and are handled on a case by case basis.

State Bridge Grant Program

The 1990 Bridge Grant Program was established to assist local governments (cities and counties) with the replacement or rehabilitation of deficient bridges under their jurisdiction. 50% of funds are distributed equally among all 95 Tennessee counties, and then the remaining 50% based upon priority or counties with the most bridges in poor conditions. Eligible bridges are off-system, publicly-owned bridges with sufficiency ratings less than 80, based on bridge condition. For more information, contact John.Phillips@tn.gov

Congestion Mitigation & Air Quality Program (CMAQ)

The federal Congestion Mitigation and Air Quality Improvement Program provides dedicated federal funding to State Departments of Transportation for projects that improve air quality and reduce congestion. The Congestion Mitigation and Air Quality Program improves air quality by funding transportation projects and programs that reduce air emissions from cars, trucks and buses (mobile sources) in air quality non-attainment and maintenance areas, which are the only areas eligible for Congestion Mitigation and Air Quality funding.



What are some eligible project types?

- Retrofit control equipment for diesel engines
- Bicycle and pedestrian facilities and programs
- Idling reduction projects
- Traffic flow improvements
- Transit fare subsidy programs for air quality action days
- Intelligent Transportation Systems
- Public-private partnerships to implement projects that reduce emissions
- Travel Demand Management programs
- Park and Ride facilities

For more information, contact Tom Doherty or Brianna Benson, Long Range Planning
TDOT.CMAQ@tn.gov

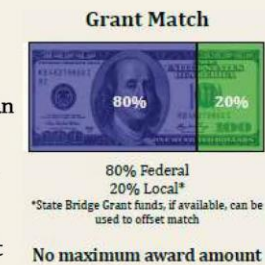
Transportation Alternatives Program (TAP)

The Transportation Alternatives Program provides funding for programs and projects defined as transportation alternatives. These include on and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility. Community improvement activities such as historic preservation, rehabilitation of historic transportation facilities and vegetation management practices. Environmental mitigation and other investments that enhance communities, connections, and access. For more information contact Neil.Hansen@tn.gov



Off-System Federal Aid Bridge Program

Every two years, TDOT inspects all bridges across the state, determines their condition and provides a rating that indicates the safe weight that can use the bridge. Rehabilitated bridges must have a sufficiency rating greater than 80 at project completion, and Federal Highway Bridge Replacement Funds cannot be used on that bridge



TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT)

Long Range Planning Division
505 Deaderick St
Nashville TN 37243



VIII. PUBLIC INPUT AND LOCAL OFFICIALS INPUT

A. Public Input Process

In December 2022 and in February 2023, input was requested from officials in Morgan County regarding transportation needs in the County. The local officials were presented information on active TDOT projects, project fact sheets, TDOT resurfacing projects, crash information on state routes and local roads, traffic information, TDOT grants, a questionnaire, and other information. Input was requested from the following: RPO members, Chamber of Commerce, Morgan County Joint Economic Development Board, County Commissioners, City Council Members, State Senator and Representative, Director of Schools, Tennessee Trails, Cumberland Trails, Bike/Ped organizations, State and Federal Parks, and others.

Presentations were also made at the following meetings: Oakdale City Council, Warburg City Council, Sunbright City Council, and Morgan County Commission.

On June 28, 2023, a public notice was placed in the Morgan County News newspaper regarding preparation of this plan. The notice advised of the availability of information regarding the plan and requested comments from local citizens and officials. A copy of the public notice and the affidavit of publication are included below.

The following provided input into transportation needs.

- County Executive Brian Langley
- Road Superintendent Joe Miller
- Janet Adkisson, resident
- Mayor Karen Milton, Sunbright
- Mayor Phil Vespie, Wartburg
- Michelle Adkisson, Morgan County Chamber of Commerce
- Roger Long, Chairman NRPO TC

The following summarizes the input received.

State Routes / State Transportation Issues

1. The section of SR 62 from Petit Lane to Oliver Springs is congested.
2. The section of SR 62 from Petit Lane to Oliver Springs has a history of multiple severe crashes.
3. The section of SR 62 from Petit Lane to Oliver Springs has a history of multiple severe crashes, especially around Middle Creek and Big Mountain area.
4. Widening to 5 lanes SR 62 from Petit Lane to Oliver Springs would help promote economic development and job creation in Morgan County.

5. Sign a new truck route along SR 299, from I-40 to SR 328 in Oakdale. See the following comment from Morgan County Road Superintendent *"We are having a problem with some truck traffic. When there is a wreck on I-40, people GPS a way around. It takes them off on SR-299 then to Crab Orchard Cemetery Rd. which comes out on Clifty Creek Rd. and goes into Roane Co. Trucks do not need to be on either of the county roads, they are very small and very curvy and steep as well. After they cross into Roane County, they have a bridge that is posted with a 12-ton weight limit. There is nowhere to turn at this bridge as if a truck would turn around and even if they did, they wouldn't make it back up the hill and around the switchback. Could we get the state to look at posting a TRUCK ROUTE from I-40 over to SR328 which will take them back in to Harriman?"*
6. Widening SR 62 from Petit Lane to Oliver Springs would promote economic development and job growth in Morgan County.
7. TDOT should take over Flat Fork Road. The state prison and Frozen Head State Park are located on Flat Fork Road and both generate large amounts of traffic.
8. Crosswalks and pedestrian signals are needed at the intersection of SR 62 and SR 29 / US 27.
9. State Route 62 and SR 29 / US 27 in Wartburg need updated signalization.
10. A caution light is needed at the intersection of SR 62 and SR 116.
11. SR 29 / US 27, from Sunbright north to the county line needs updated or new signage.
12. A caution light is needed at the intersection of SR 62 and Fairview Road.
13. The intersection of SR 62 and SR 116 has a history of multiple severe crashes.
14. The intersection of SR 62 and Fairview Road has a history of multiple severe crashes.
15. We have a couple of Bridges that really need to be resurfaced and there was supposed to be some asphalt resurfacings last year that didn't make the cut that does still need to be done.
16. SR 29 / US 27 and Burrville Road in Sunbright are congested when school is in session. Sunbright.
17. SR 29 / US 27 north has dangerous curves causing multiple crashes with injuries and crashes. Sunbright.
18. The intersection of SR 329 & SR 29 / US 27 has a history of multiple severe crashes. Sunbright.
19. New or updated signage is needed at the following locations in Sunbright: SR 329 & Hugh Jones Road; east end and southwest end of Hugh Jones Road: SR 29 / US 27 in Sunbright signage and traffic calming devices. Sunbright.
20. Widening and straightened SR 29 / US 27 north and south into Sunbright would promote economic development and job creation. Sunbright.
21. SR 329 should be straightened and widened at the intersection of SR 329 and Hugh Jones Road. Sunbright.
22. Heavy congestion occurs on SR 62 in Wartburg primarily during the hours of drop off and pick up of students at the two schools one mile apart. Wartburg.
23. Multiple severe crashes have occurred at the intersection of SR 29 / US 27 and Mill Street in Wartburg. Wartburg.
24. A flashing caution light is needed at the intersection of SR 29 / US 27 and Kingston Street due to a blind corner. Wartburg.
25. A flashing caution light is needed at the intersection of SR 29 / US 27 and Liberty Road. Wartburg.
26. Planned improvements to SR 62 and SR 29 / US 27 should be completed at the earliest possible date. Wartburg.
27. SR 62 and SR 29 / US 27 should have markings providing for runners and pedestrians.
28. SR 29 / US 27 from Wartburg to SR 328 needs shoulders for bikers and pedestrians.

29. New signalization needs to be installed at the intersection of SR 62 and Fairview Road. This is a primary collector for school traffic and there have been numerous accidents at this intersection.
30. New signalization needs to be installed at the intersection of SR 29 / US 27 and Mill Road (intersection of Sav A Lot).
31. The intersection of SR 62 and Fairview Road needs new or updated signage.
32. Completion of SR 62 from Petit Lane to Oliver Springs would promote economic development and job creation. This is the most heavily traveled roadway in the County and has been for years. It serves to connect Morgan County to all parts east, including Oak ridge, Knoxville, etc. Schools and medical facilities are located along this roadway. Improvements to SR 62 will also improve access to Frozen Head State Park, Brushy Mountain Prison (tourism site), and Heraeus (a major industrial site currently expanding operation by more than 100%).

Local Roads / Local Transportation Issues

1. All county roads need to be upgraded.
2. Flat Fork Road provides access to Morgan County Correctional Complex, the industrial park and Frozen Head State Park. Flat Fork Road needs to be improved.
3. If Flat Fork is improved, bike lanes should be added to accommodate a large volume of bikers destined to and from Frozen Head State Park.
4. Cumberland Trail through Wartburg needs to be completed.
5. Sidewalks are needed connecting the schools. Sidewalks are also needed to provide safe connections to the Cumberland Trail.
6. Gatewood Ford Road needs widening from the county line to Cobb Road (possibly with **SSA funding**).
7. Gatewood Ford Road needs improving from Cobb Road (Cobb-Vantress Industries) to the county line to carry truck traffic.
8. The area is seeing a significant increase in bicyclist. Additional bicycle and pedestrian facilities are needed.
9. Burrville Road in Sunbright is congested when school is in session. Sunbright.
10. Sunbright is interested in trails. Sunbright.
11. Sunbright is interested in a bicycle trail and pedestrian trail along SR 29 / US 27. Sunbright.
33. New or updated signage is needed on Montgomery Road, Main Street, and Potters Chapel Road. Wartburg.
34. Sidewalks are needed on Main Street (Old US 27), South Kingston Street and North Kinston Street to Race Track Road. Wartburg.
12. Sidewalks should be continued on SR 62 from Wartburg Elementary to Letory Road. Wartburg.
13. The area is interested in new trails or greenways.
14. Sidewalks/Bike Trails along SR 29 / US 27 in Wartburg. Sidewalks currently exist on SR 62 in Wartburg but end at the intersection with SR 29 / US 27. These need to be continued along SR29 north to North Kingston Street, which provides access to Historical downtown, Morgan County Courthouse, Morgan County Sheriff's Offices, Big South Fork, Obed Scenic River Offices. Wartburg.
15. The section of the Cumberland Trail through Wartburg needs to be completed. This section in Wartburg is one of the very few areas lacking completion. There needs to be a pedestrian bridge across SR29/SR62 just north of the intersection. This would provide access to the Cumberland trail and tie the two sections together in the area of the Morgan County Visitors Center. Wartburg.

**Morgan County
Transportation Plan
Legal Notice**

Morgan County Transportation Plan
A Transportation Plan for Morgan County is being prepared by the East Tennessee Development District under contract with the Tennessee Department of Transportation. The plan will cover Morgan County and the municipalities of Oakdale, Sunbright, and Wartburg. A description of the plan can be found at the following website: <https://www.etdd.org/transportation/>.

The transportation plan will focus on the state routes and local roads classified as Minor Arterials that are on TDOT's functional classification system. A map showing this system can be found at <https://www.etdd.org/transportation/>.

The transportation plan will discuss deficiencies in the existing roadways and make recommendations for improvements to the deficient roadways. The plan will also include discussions of pedestrian and bicycle facilities, transit, and other modes of transportation. For inclusion in the plan, input is being requested from citizens and local officials in the Morgan County area. A questionnaire is available for use in providing input on the following website: <https://www.etdd.org/transportation/>.

The questionnaire can be completed and sent to dbrown@etdd.org, faxed to 865-272-6010, or mailed to East Tennessee Development District, P.O. Box 249, Alcoa, TN 37701-0249. Comments in addition to the completed questionnaire are welcome. For additional information contact, contact Don Brown at the East Tennessee Development District, 865-273-6003 or dbrown@etdd.org.

ROANE NEWSPAPERS

Roane County News, Morgan County News, Lafollette Press, P.O. Box 610, Kingston, TN 37763. Phone 865-376-3481, Fax 865-376-1945

TO: East Tenn. Development District
P.O. Box 249
Alcoa, TN 37701

ADVERTISING: MORGAN COUNTY TRANSPORTATION PLAN /LEGAL NOTICE

I, Terri Scarborough, make oath that the attached advertisement or notice was published in:

The Roane County News, a bi-weekly newspaper published at Kingston, TN, Roane County, also online at www.roanecounty.com

The Morgan County News, a weekly newspaper published at Wartburg, TN, Morgan County, also online at www.morgancountynews.net

The Lafollette Press, a weekly newspaper published at Lafollette, TN, Campbell County, also online at www.lafollettepress.com

This Notice also appeared on the State of Tennessee website at www.tnpublicnotice.com for all runs required by Tenn. Code Ann. 1-3-120(2013) There will only be one tear sheet attached to cover all runs.

Notice was published in said newspaper on the following date(s): MCN 6/28/23

And that the statement of account herewith is correct to the best of my knowledge and belief.

Signed Terri Scarborough

Subscribed and sworn to before me this 28th day of MAY, 2023.

Michelle L. Fisher
Notary Public

My Commission Expires February 18, 2024

