

# NESHOBA COUNTY

ADOPTED  
JANUARY 22, 2019

## Comprehensive Road and Bridge Plan

2019-2022

### COUNTY DATA

Neshoba County, Mississippi is approximately 90 miles northeast of Jackson, Mississippi. Philadelphia is the county seat and principal City. The county has a total area of 351,305 acres or 572 square miles.

Neshoba County was established by the Mississippi Legislature on December 23, 1833. Philadelphia became the county seat of Neshoba County on August 15, 1837. The Pearl River flows east to west through Neshoba County.

The Neshoba County population has increased during the past several decades. In 1970 Neshoba County's population was 20,802. In 1980 the population increased to 23,789. The 1990 county population saw an increase to 24,800. The county population showed steady growth through 2000 with a population of 28,684. The 2010 Census revealed a population of 29,676 and the most recent Census estimate for 2017 showed a slight population decrease of -1% to 29,369. Neshoba County is the 29<sup>th</sup> most populated county in Mississippi. Neshoba County is bounded on the north by Winston County; on the east by Kemper County; on the south by Newton County and on the west by Leake County. It is approximately 23.5 miles long by 23.3 miles wide and is served by The Kansas City Southern Railroad running generally north and south through the county and passing through the county seat of Philadelphia.

## **ECONOMIC DATA**

The main crops grown in the county are corn, soybeans and small grain. Livestock, dairy, poultry and timber are produced on many farms. Timber income is very important since approximately 77% of the land area is considered forest land.

In November 2018, Neshoba County's labor force was 10,400. The total employed was 9,950 resulting in 450 persons being unemployed or a 4.3% unemployment rate according to figures supplied by the Mississippi Department of Employment Security. The County averaged a 4.4% unemployment rate for the three months prior and a 4.7% rate for the previous 10-month period.

During 2016 the median household income was \$35,991.00. Median household income rose 0.97% over the previous year. The median property value in Neshoba County is \$79,700 and the home ownership rate is 72.5%. It is assumed that significant additional tax revenue will not be available.

## **TRANSPORTATION DATA**

Transportation infrastructure in the area is improving. The Kansas City Southern Railroad runs generally north and south through the county and passes through Philadelphia, Mississippi. The entire county is served by several major truck lines. Highway 15 runs generally North and South; Highway 19 runs from Southeast to Northwest; Highway 21 runs from Southwest to Northeast; Highway 16 runs generally East and West. All of these highways intersect in Philadelphia, Mississippi and are considered major trade routes. Highway 19 South provides four-lane access from the Newton County Line to House and Highway 16 West has four lane access from Highway 15 to just past the Lake Pushmataha entrance. Neshoba County remains the only county in east central Mississippi without four-lane access that traverses the entire county. With

the recent announcement of the BUILD transportation grants from the US Department of Transportation and the commitment of the Mississippi Legislature and Mississippi Department of Transportation, Neshoba County anticipates having four-lane access from Philadelphia to Meridian in the near future.

**ROAD AND BRIDGE DATA**

The Neshoba County road system is composed of approximately 726.94 miles (see attached map). State highways, U.S. highways and Bureau of Indian Affairs (BIA) roads are not included in this road system total.

**ROADS**

<u>Surfaces</u>	<u>Miles</u>
Hard Surfaced (two lane)	394.83
Unpaved (gravel)	332.11
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Total	726.94

**BRIDGES**

Box Bridges	49
Concrete	39
Precast	17
Temporary Double Pipe Line	2
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Total	107
State Aid System Bridges	68
LSBP Eligible Bridges	4
Load Posted Bridges	17
Closed Bridges	2

## **LOCAL SYSTEM BRIDGE PROGRAM**

The Neshoba County Board of Supervisors is participating in The State of Mississippi's Local System Bridge Program (LSBP). This program uses funds appropriated by the State Legislature for the replacement of substandard bridges on public roads that are considered to be off the State and Federal Aid Systems. In this regard, LSBP Bridge Project 50-13 on Road 397 was completed and accepted in 2017. The Board has programmed replacement of the Bridge on Road 705 as the next LSBP Project to be completed during this four year period and the project is being engineered and will soon be moving to right-of-way acquisition as of adoption of this plan. The bridge on Road 705 is also closed, as of adoption of this plan, on the recommendation of the Office of State Aid Road Construction and funding has been sought through the Emergency Road and Bridge Repair Fund for replacement of the structure.

## **STATE AID / FEDERAL AID ROAD PROGRAM**

In addition, the Board of Supervisors, as a part of the four year State Aid Road Program has designated certain bridges that will be replaced with Federal Bridge Replacement Funds and State Aid Road Funds. The four year State Aid Road Program is hereby made a part of the comprehensive road and bridge program for Neshoba County, Mississippi. The Road 561 Bridge replacement under this program was completed and accepted under this program in 2017. The next Bridge to be replaced under this program on Road 628 has been designed, with all right-of-way acquired, is currently awaiting funding and is scheduled for completion during the duration of this plan. This bridge is also closed on the recommendation of the Office of State Aid Road Construction until replacement. Funding for replacement has been sought through the Emergency Road and Bridge Repair Fund for this structure also. Additionally, State Aid funds were utilized to replace

the bridge on Road 624, which was completed in 2017. Neshoba County also used appropriated State Aid Road Funds to perform base repair, leveling, reseal, striping and signing on 34.69 miles of the State Aid Road system during 2017. Neshoba County is also using matching state aid funds for the FLAP Project on Road 832 which is to be completed in 2019.

### **SPECIAL PROJECTS**

The Neshoba County Board of Supervisors utilizes special project funds, upon their availability, to maintain, repair and improve the County road system. USDA National Resource Conservation Service Emergency Watershed Protection program funds were utilized in 2017 to stabilize and provide ditch repair to Road 414 which is adjacent to the south side of the Neshoba County Fairgrounds.

USDOT, Federal Highway Administration, Federal Lands Access Program (FLAP) funds and State of Mississippi, Department of Wildlife, Fisheries and Parks funds have been allocated and obligated to improve 0.701 miles of roadway on Road 832 serving the Nanih Waiya Wildlife Management Area access, which is located east of Stallo near the Winston County Line. This project will improve this 0.7 miles of roadway by grading, draining, providing base and paving the existing roadway. These program funds are only available for projects adjacent to or providing access to federal lands. Drainage structures have been completed with the road base establish as of adoption of this plan and the final road surface will be applied in the spring when weather conditions permit.

USDHS, Federal Emergency Management Agency (FEMA), Hazard Mitigation Grant Program (HMGP) funds have been awarded and obligated for a drainage improvement project on Road 832. Through this project one-quarter mile of road will be improved by replacing the undersized drainage structures and constructing a concrete

box bridge with improvements to the sloping, sizing of road shoulder, ditches, replacement of the roadway at a larger width and appropriate signing and striping. Neshoba County will match funds to complete this project.

Neshoba County has applied for five (5) projects under the new Emergency Road and Bridge Repair Fund grant program authorized by the Mississippi Legislature. These projects include the railroad overpass bridge on Road 210, the bridge replacement on Road 628, the bridge replacement on Road 705, replacing a bridge with a box culvert on Road 739 and road improvements to promote economic development to Industrial Park Road in the Philadelphia-Neshoba County Industrial Park.

Neshoba County has also recently received a \$120,000 grant for road improvements to the Industrial Park Road from the Small Municipality Limited Population Counties Grant administered by the Mississippi Development Authority and funded by the Mississippi Legislature.

### **LONG-TERM BRIDGE AND ROAD PLAN**

The primary emphasis on bridges over the next four years will be to replace those structures currently closed and to reduce the number of bridges that are in the sufficiency rating category of 25 or below. Once these are replaced the next priority to replace those with a rating of 49 or below.

The primary emphasis on roads over the next four years will be to maintain the existing road system and re-surface as many miles of existing hard surface road as available funds will permit. The Board of Supervisors will set the priorities for replacing the wear surface on roads to maintain the integrity of existing road infrastructure and select roads to be hard-surfaced based on countywide needs as funds allow. Some of the criteria to be used in making that determination will include the following: Number of

families served, use of the road for access to church and community centers, main roads that will connect from one community to another and cost of construction of the road.

In 2017 Neshoba County leveled and/or resealed 23 miles of county hard surfaced roads in addition to the state aid road system reseal project. In 2018 Neshoba County leveled, reclaimed, repaired and resealed 18 miles of county hard surfaced roads.

With new infrastructure funding anticipated to be phased in beginning in 2020, the Neshoba County Board of Supervisors will set priorities for the use of the new resources concurrent with the new Board term beginning in January 2020.

Hard surfacing and improving dirt or gravel roads is an important part of the operation of the Neshoba County Road Department. The Board of Supervisors will work with the Road Manager to secure needed Right of Ways in order to allow for the improvement of roads on the Neshoba County Road System.

## Hard Surfacing of Roads

The Following is a listing of roads that have been considered for improving and hard surfacing between the date of adoption of this plan and December 31, 2022. The following roads may be added to or removed by order of the Neshoba County Board of Supervisors.

<u>Road</u>	<u>Length</u>	<u>Material Cost</u>
153	1.30	\$ 91,000.00
2610	1.00	\$ 70,000.00
165	1.60	\$ 112,000.00
Marty Stuart Drive	1.00	\$ 70,000.00
373	1.20	\$ 84,000.00
379	1.20	\$ 84,000.00
397	1.75	\$ 122,500.00
385	0.70	\$ 49,000.00
167	1.50	\$ 105,000.00
171	1.00	\$ 70,000.00
1133	0.75	\$ 52,500.00
381	1.00	\$ 70,000.00
339 (North Side)	1.00	\$ 70,000.00

575	1.20	\$	84,000.00
583	1.30	\$	91,000.00
622	0.50	\$	35,000.00
620	0.30	\$	21,000.00
644	1.00	\$	70,000.00
739	2.50	\$	175,000.00
751	1.70	\$	119,000.00
777	1.00	\$	70,000.00
785	1.30	\$	91,000.00
589	0.50	\$	35,000.00
575	0.50	\$	35,000.00
1714	0.40	\$	28,000.00
2444	0.30	\$	21,000.00
773	0.90	\$	63,000.00
783	1.00	\$	70,000.00
2831	1.00	\$	70,000.00
2826	1.30	\$	91,000.00
1727	0.70	\$	49,000.00
638	0.50	\$	35,000.00
636	0.40	\$	28,000.00
464	0.70	\$	49,000.00
773	0.90	\$	63,000.00
628	1.30	\$	91,000.00
2822	0.70	\$	49,000.00
2630	0.30	\$	21,000.00
741	2.20	\$	154,000.00
567	1.40	\$	98,000.00
1535	0.75	\$	52,500.00
832	0.75	\$	52,500.00
848	1.50	\$	105,000.00
569 (Reclamation)	1.80	\$	126,000.00
755 (Reclamation)	1.50	\$	105,000.00
832 East Side (Reclamation)	1.50	\$	105,000.00
Alesia Circle	0.25	\$	17,500.00
448 West Side(Reclamation)	2.40	\$	168,000.00
450	2.80	\$	196,000.00
266	2.20	\$	154,000.00
452	2.00	\$	140,000.00
711	0.50	\$	35,000.00
529	1.10	\$	77,000.00
517	1.30	\$	91,000.00
523	0.95	\$	66,500.00
2440	0.40	\$	28,000.00
2442	0.25	\$	17,500.00
262	0.50	\$	35,000.00



288	1.00	\$	70,000.00
280	0.40	\$	28,000.00
444	0.50	\$	35,000.00
290	0.20	\$	14,000.00
4308	1.00	\$	70,000.00
327	0.30	\$	21,000.00
294	0.40	\$	28,000.00
298	1.10	\$	77,000.00
McKee Street	0.25	\$	17,500.00
454	2.10	\$	147,000.00
270	1.30	\$	91,000.00
274	0.20	\$	14,000.00
723	2.30	\$	161,000.00
268	1.50	\$	105,000.00
458	2.30	\$	161,000.00
1131	0.30	\$	21,000.00
541	2.40	\$	173,000.00
240	2.00	\$	140,000.00
226	1.80	\$	126,000.00
402	2.80	\$	196,000.00
339	2.80	\$	196,000.00
363	0.60	\$	42,000.00
121	2.50	\$	175,000.00
315	2.70	\$	189,000.00
1131	1.10	\$	77,000.00
246	0.70	\$	49,000.00
428	0.80	\$	56,000.00
244	1.00	\$	70,000.00
313	1.30	\$	91,000.00
432	2.20	\$	154,000.00
531	1.80	\$	126,000.00
109	2.30	\$	161,000.00
317	2.60	\$	182,000.00
351	0.60	\$	42,000.00
420	0.60	\$	42,000.00
412	1.00	\$	70,000.00
533	0.75	\$	52,500.00
125	2.60	\$	182,000.00
410	0.75	\$	52,500.00
418	1.00	\$	70,000.00
343	0.90	\$	63,000.00
139	1.60	\$	112,000.00
127	1.00	\$	70,000.00
107	2.00	\$	140,000.00
206	2.80	\$	196,000.00

361	3.10	\$	217,000.00
145	2.30	\$	161,000.00
2426	0.75	\$	52,500.00
133	0.20	\$	14,000.00
406	1.30	\$	91,000.00
139	1.60	\$	112,000.00
212	1.60	\$	112,000.00
123	1.00	\$	70,000.00
236	2.00	\$	140,000.00
743	1.25	\$	87,500.00
3403	1.50	\$	105,000.00
1361	1.00	\$	70,000.00
1357	1.00	\$	70,000.00
630	0.60	\$	42,000.00
2642	0.50	\$	35,000.00
1721	0.60	\$	42,000.00
822	2.30	\$	161,000.00
171	1.50	\$	105,000.00
173	2.50	\$	175,000.00
3407	1.40	\$	98,000.00
1354	0.20	\$	14,000.00
2808	0.80	\$	56,000.00
1723	0.30	\$	21,000.00
1721	0.60	\$	42,000.00
1720	0.20	\$	14,000.00
1719	0.20	\$	14,000.00
3403	1.30	\$	91,000.00
3405	1.20	\$	84,000.00
<b>TOTAL</b>	<b>158.20</b>	<b>\$</b>	<b>11,079,000.00</b>

**RESEAL AND NEW WEAR SURFACE OF HARD SURFACED ROADS**

The following is a listing of roads that may need to be resealed and have a new wear surface placed on them by December 31, 2022. Through this reseat and placing of a new wear surface the life of the road will be extended.

<b><u>Road</u></b>	<b><u>Length</u></b>		<b><u>Material Cost</u></b>
339	2.50	\$	87,500.00
149	3.80	\$	133,000.00
2808	0.80	\$	28,000.00
1129	0.70	\$	24,500.00
618	0.45	\$	15,750.00
767	1.00	\$	35,000.00

769	1.10	\$	38,500.00
832	1.50	\$	52,500.00
Plantation Point Dr-South	0.50	\$	17,500.00
Condo Road	0.10	\$	3,500.00
Condo Drive	0.10	\$	3,500.00
Gateway Dr	0.10	\$	3,500.00
761	1.80	\$	63,000.00
2828	0.30	\$	10,500.00
628	2.30	\$	80,500.00
775	1.50	\$	52,500.00
624	5.05	\$	176,750.00
729	3.20	\$	112,000.00
2826	2.20	\$	77,000.00
610	6.90	\$	241,500.00
791	0.70	\$	24,500.00
Country Lane	1.00	\$	35,000.00
634	0.30	\$	10,500.00
642	1.30	\$	45,500.00
250	1.20	\$	42,000.00
703	0.33	\$	11,550.00
448 (East Side)	2.20	\$	77,000.00
4306	0.74	\$	25,900.00
519	0.50	\$	17,500.00
268	0.40	\$	14,000.00
462	1.00	\$	35,000.00
468	1.30	\$	45,500.00
282	1.50	\$	52,500.00
739	2.00	\$	70,000.00
723	0.50	\$	17,500.00
248	3.20	\$	112,000.00
270	2.80	\$	98,000.00
529	0.60	\$	21,000.00
501	2.90	\$	101,500.00
206	0.50	\$	17,500.00
325	5.40	\$	189,000.00
418	3.10	\$	108,500.00
414	0.70	\$	24,500.00
248	5.60	\$	196,000.00
129	0.25	\$	8,750.00
234	2.00	\$	70,000.00
430	1.40	\$	49,000.00
171	1.00	\$	35,000.00
<b>TOTAL</b>	<b>80.32</b>	<b>\$</b>	<b>2,811,200.00</b>

### **GRAVEL ON COUNTY ROADS**

County roads will be graveled on an as needed basis when regular maintenance is performed on these roads. The County is divided up into four (4) work areas for motor grader purposes. Those areas are Southeast (zone one); Southwest (zone two); Northwest (zone three); Northeast (zone four). Each of these areas has one or more motor graders assigned to them with an experienced operator.

### **ROAD SIDE CLIPPING**

County roads will have the road sides clipped on an annual basis. The County is divided into two (2) work zones. Those areas are East and West.

### **POTHOLE AND SHOULDER REPAIR**

County hard surfaced roads will have a minimum of one crew assigned daily for the sole purpose of repairing potholes and shoulders along public roads of Neshoba County.

### **ROADSIDE SPRAYING**

All county gravel roads will be sprayed on an annual basis for weed and brush control. All county hard surfaced roads will be sprayed on an annual basis to help in grass and weed control.

### **NEW EQUIPMENT NEEDS**

By December 31, 2022 Neshoba County will need to consider replacing and purchasing the following equipment used in its road department:

<u>Description</u>	<u>Quantity</u>	<u>Estimated Cost</u>
Tractor Truck	1	\$125,000.00
Dump Trailer	1	\$50,000.00
Ag Tractors	2	\$140,000.00
15 Foot Mowers	2	\$60,000.00
7 Foot Mowers	2	\$8,000.00
2 Bionic Blades	2	\$10,000.00
Sprayer Truck	1	\$150,000.00

## **PERSONNEL NEEDS**

The Neshoba County Road and Bridge Department will employ a Road Manager who will be responsible for the implementation of the Road and Bridge Program set forth by the Neshoba County Board of Supervisors. Personnel will be assigned to the following area:

1	Road Manager
2	Administrative Staff
2	Long Hall Truck Drivers
1	Fuel Truck
2	Pothole Patching
3	Mechanics
4	Motor Graders
4	Dump Trucks
2	Culvert Installation
5	Construction & Heavy Maintenance
4	Bush hogging Crews
2	Boom Axe
4	Miscellaneous Labor

The County will need to employ 36 road department personnel through December 31, 2022.