

EXPLANATORY INFORMATION-MILEAGE SUMMARY CLASSIFICATION

FORM SP-103

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
DIVISION OF STATISTICS AND PLANNING

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EXPLANATION OF TYPES

- A - PRIMITIVE: On the official system, but unimproved, with no maintenance, natural surface, barely passable but usable by 4-wheel vehicles, and publicly traveled by small numbers of vehicles.
- B - UNIMPROVED: A road, composed wholly (or with minor local exceptions) of the natural ground of the region traversed, which may or may not have been bladed, which does not conform in respect to alignment, grade, and drainage, at least to the definition of "Graded and Drained", and on which the only work done by public authority is that required to maintain a condition of bare passability for horse-drawn or motor vehicles.
- C - GRADED AND DRAINED: A road of natural earth (or with minor exceptions) aligned and graded to permit reasonably convenient use by motor vehicles, and drained by longitudinal and transverse drainage systems, natural or artificial, sufficiently to prevent serious impairment of the road by surface water.
- D - SOIL SURFACED-UNTREATED: Topsoil, sand, sand-clay, natural or artificial; also stabilized earth (stabilized with sand, selected materials, tar, Portland cement, chemicals or other admixtures). Not bituminous surface treated.
- E - GRAVEL OR STONE-UNTREATED: Crushed or natural gravel, crushed stone, slag, gravel, shale, shell, chert, marl, crushed brick, shist, disintegrated granite, iron ore, chats, screened gravel, and other similar fragmental material (coarser than sand), traffic bound macadam made of crushed stone, crushed gravel or slag. Not bituminous surface-treated.
- F - BITUMINOUS SURFACE-TREATED:
- F-1. Topsoil or Sand-Clay: Same as "D" except Bituminous Surface-treated with a mat of about one inch or less in thickness.
 - F-2. Gravel or Stone: Same as "E" except Bituminous Surface-treated with a mat of about one inch or less in thickness.
 - F-3. Waterbound Macadam: Waterbound Macadam surfaced with Bituminous Surface-treatment mat of about one inch or less in thickness.
- G - MIXED BITUMINOUS-LOW TYPE: A road, the wearing surface of which is one inch or more in compacted thickness, composed of gravel, stone, sand, or similar material, mixed with bituminous material under partial control as to grading and proportions. Examples are Mixed-in-Place sand asphalt, or bituminous sand-road mix. (Does not include hot premixed sand asphalt.)
- G-1. Mixed Bituminous-Low Type, on existing Portland cement concrete pavement.
 - G-2. Mixed Bituminous-Low Type, on existing bituminous concrete (as described below- See I).
 - G-3. Mixed Bituminous-Low Type, on existing Hot Pre-mixed sand asphalt.

G-4. Mixed Bituminous-Low Type on existing bituminous surface-treatment, such as described in "F" above.

G-5. Mixed Bituminous-Low Type, on block, brick, penetration macadam, traffic bound macadam, or any other type not included in G-1, 2, 3, or 4.

H - BITUMINOUS PENETRATION: A gravel or stone road, consisting of a base course and a wearing course one inch or more in compacted thickness, bound with bituminous material introduced by downward or upward penetration. Bituminous Penetration Macadam which may or may not have been Bituminous Surface-treated. See G-5.

I - BITUMINOUS CONCRETE: Bituminous concrete on any rigid or non-rigid base (of substantial thickness). Bituminous concrete includes sheet asphalt, topeka, rock asphalt, and similar bituminous mixes with precise control as to grading and proportions, temperature, etc. See G-2 and I-3.

SAND ASPHALT-HOT PREMIXED: Premixed Sand Asphalt prepared under reasonably precise specifications, and exact control as to grading and proportions, on any base as follows: (See G-3.)

I-2. Sand asphalt hot premixed on existing Portland cement concrete pavement.

I-3. Sand asphalt hot premixed on existing bituminous concrete pavement.

I-4. Sand asphalt hot premixed on sand asphalt base, or on any other base or type, except in I-2 and I-3 above.

J - PORTLAND CEMENT CONCRETE: Wearing surface of plain or reinforced Portland Cement Concrete, with or without a bituminous mat of less than one inch in compacted thickness. Does not include Portland cement Stabilization. Includes P. C. Concrete covered with a seal coat or Bituminous Surface-treated, or any layer less than about 1". Does not include P. C. Concrete covered with Retread, Sand-Mix, or Sand Asphalt over 1" thick. (See G-1.)

K - BRICK: Paving brick, with or without a bituminous mat less than one inch in compacted thickness. (See G-5 and I-4.)

L - BLOCK: Paving block (either stone block, wooden block, asphalt block) or other form of block, except vitrified paving brick, with or without a bituminous mat less than one inch in compacted thickness. (See G-5 and I-4.)

M - DUAL TYPE: Any high type pavement, the wearing surface of which consists of two individual types, each of which has an aggregate width of at least eight feet, which may be in divided strips; both individual types being of such depth as to be classed logically as a part of the traffic bearing road surface, rather than as surfaced shoulders. (If resurfaced, see G-1, G-2, I-2 and I-3.)

N - COMBINATION TYPE: Any high type pavement, the wearing surface of which consists of two individual types, only one of which has an aggregate width of at least eight feet, both individual types being of such depth as to be classed logically as a part of the traffic bearing road surface, rather than as surfaced shoulders. (If resurfaced, see G-1, G-2, I-2 and I-3.)

BRIDGES: Are included in the surface mileage, and considered as being of the same type as the approach surface.

EXPLANATION OF SYSTEMS

1. THE RURAL STATE HIGHWAY SYSTEM is composed of all State and U. S. numbered highways, except those lying within the corporate limits of incorporated towns.

2. THE MUNICIPAL STATE HIGHWAY SYSTEM is composed of all State and U. S. numbered highways or streets lying within the corporate limits of incorporated towns.
3. THE RURAL COUNTY ROAD SYSTEM is composed of all non-numbered State-maintained roads with the following exceptions:
 - a. The Rural County Road System does not include Neighborhood roads, or any other roads which are maintained but not a part of any designated System.
 - b. The Rural County Road System does not include roads or streets lying within the corporate limits of any incorporated town, regardless of population.
4. THE MUNICIPAL COUNTY SYSTEM is composed of important municipal extensions of the Rural County Road System. This system was selected by agreement between Highway Officials and City Officials, to conform with an Act by the 1941 North Carolina General Assembly.
5. NEIGHBORHOOD ROADS are all rural roads or streets which are State-aid maintained, but not a part of any officially designated System.

NOTE: The incorporated status of all towns is determined from official lists of the State Highway And Public Works Commission, Division Of Statistics And Planning. The date on which the status of incorporation is determined corresponds with the date of the mileage tabulation. (All towns shown in the official U. S. 1940 Census are considered incorporated, regardless of population.)

RETREADS: This sheet contains numerous revisions over the former list as regards retreads and resurfacing.

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This explanatory information will be attached to all releases of mileage tables and, if more detailed data is desired, Mileage Tables for each System for each County by Surface Type and Surface Width for all roads officially under State maintenance, may be obtained by authorized persons from the Division Of Statistics And Planning of the N. C. State Highway And Public Works Commission.

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

All Maintenance

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Statewide
DIVISION NO. 1 through 10

		MILEAGE TOTAL	MILEAGE BY DIVISIONS											
NON SURF'D	TYPE OF ROAD		1	2	3	4	5	6	7	8	9	10		
A PRIMITIVE	00	606.5	56.1	41.5	157.4	11.9	19.5	49.8	43.2	163.9	16.6	46.6		
B UNIMPROVED	10	4215.1	249.1	329.0	389.2	117.7	158.7	267.6	236.7	918.0	480.3	1068.8		
C GRADED AND DRAINED	20	20372.6	2874.9	3418.4	2558.2	1393.7	2219.2	2612.1	1287.6	1565.0	1901.9	541.6		
D SOIL SURFACED —UNTREATED	30	13219.0	463.8	207.8	1431.4	2435.0	790.1	2231.6	2211.3	1156.6	2284.1	7.3		
E GRAVEL OR STONE —UNTREATED	41-43	8903.8	207.7	48.6	27.5	321.7	1177.3	626.4	805.5	1705.0	691.5	3292.6		
TOTAL NON HARD SURFACED		47317.0	3851.6	4045.3	4563.7	4280.0	4364.8	5787.5	4584.3	5508.5	5374.4	4956.9		
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F ₁ TOPSOIL OR SAND-CLAY 51	5574.8	670.7	140.4	362.7	905.1	653.3	982.3	662.2	497.9	679.7	20.5	
		F ₂ GRAVEL OR STONE 52-53	2934.9	140.1	89.4	16.2	104.7	348.8	148.5	241.7	706.6	371.5	767.4	
		F ₃ WATERBOUND MACADAM 54	66.9		1.0			3.2		22.1	4.7	3.2	32.7	
	G MIXED BITUMINOUS —LOW TYPE	G ₁ ON P. C. CONCRETE 61	x	72.1	1.1		14.6	9.9	1.5	4.3		10.7	17.6	
		G ₂ ON BITUMINOUS CONCRETE 61	x	103.8	0.5	17.8	30.0		27.7		2.8	13.9	11.1	
HIGH TYPE SURFACES		G ₃ ON SAND ASPHALT (HOT PREMIXT.) 61	x	268.1	30.5	26.3	154.6	0.1		49.3	5.9	1.4		
		G ₄ ON BITUMINOUS SURFACE TREATMENT 61	x	410.0	87.3	11.6	134.3		100.1		14.0	8.7	54.0	
		G ₅ ON OTHER TYPES THAN G ₁₋₂₋₃₋₄ 61	x	341.8	97.0	31.3	157.3	10.1		14.3	1.6	21.0	9.2	
	H BITUMINOUS PENETRATION 62		64.0	4.2		1.9		11.0		10.6	0.2	31.3	4.8	
	I BITUMINOUS CONCRETE II	I ₁ ON P. C. CONCRETE 61	63	819.2	25.3	35.4	36.0	71.6	110.3	40.1	201.0	48.1	152.5	98.9
SAND ASPHALT —HOT PREMIXED		I ₂ ON BITUMINOUS CONCRETE 61		292.9	55.6	26.7	2.3	53.2	31.9	19.9	24.9	5.7	20.6	52.1
		I ₃ ON OTHER TYPES THAN I ₁ AND I ₂ 61		338.9	21.7	137.2	3.5	55.2	34.0	17.5	33.6	1.5	18.8	15.9
	J PORTLAND CEMENT CONCRETE 70		1883.1	172.9	489.4	490.9	227.7	49.8	164.9	222.6	0.2	49.9	14.8	
K BRICK	80		2952.6	387.4	407.6	211.6	257.0	334.2	312.2	300.4	238.5	229.0	274.7	
L BLOCK	90		0.1	36.0	17.5	16.9	0.8		0.4		0.4			
M DUAL TYPE	64-9 74-9		34.4	1.6			5.3	9.8	10.3	2.9	3.1	1.4		
N COMBINATION TYPE	64-9 74-9		92.0	13.8		2.6	19.1		31.9	2.3	11.1	11.2		
TOTAL HARD SURFACED		16285.6	1727.2	1431.9	1617.4	1720.9	1716.0	1785.2	1756.1	1530.2	1626.5	1375.1		
TOTAL MILEAGE		63602.6	5578.8	5476.3	6181.1	6000.9	6080.8	7572.7	6340.4	7038.7	7000.9	6332.0		

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural State Highway

SYSTEM

COMPLETED AS OF

Jan. 1 1949

COUNTY Total
DIVISION No. 1 through 10 (Statewide)

TYPE OF ROAD	MILEAGE TOTAL	MILEAGE BY COUNTIES																	
		DIVISION 1	DIVISION 2	DIVISION 3	DIVISION 4	DIVISION 5	DIVISION 6	DIVISION 7	DIVISION 8	DIVISION 9	DIVISION 10								
NON SURF'D	A PRIMITIVE	00	1.0			1.0													
	B UNIMPROVED	10	2.4									2.4							
	C GRADED AND DRAINED	20	144.0	22.3	33.2	16.5	3.8		6.1	5.9	6.4	23.6	26.2						
	D SOIL SURFACED —UNTREATED	30	301.7	30.6	13.2	83.5	14.1		27.4	55.5	56.4	21.0							
	E GRAVEL OR STONE —UNTREATED	41-43	375.7	7.3	0.1	7.0	2.2	15.2	45.8	32.3	31.0	46.0	188.8						
	TOTAL NON HARD SURFACED		824.8	60.2	46.5	107.0	21.1	15.2	79.3	93.7	96.2	90.6	215.0						
	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	2570.7	362.5	50.3	135.1	455.0	365.9	411.5	233.5	268.2	276.8	11.9					
		F2 GRAVEL OR STONE	52-53	1663.1	38.3	51.3	12.9	65.6	108.9	92.8	61.9	460.3	194.4	576.7					
		F3 WATERBOUND MACADAM	54	31.4								4.7		26.7					
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	63.0			13.6	9.0		4.3		9.5	9.5	17.1					
LOW TYPE SURFACES		G2 ON BITUMINOUS CONCRETE	61	89.5		16.8	24.9		25.5		0.1		12.1	10.1					
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61	248.4	25.0	26.3	143.3			47.9	5.9								
		G4 ON BITUMINOUS SURFACE TREATMENT	61	378.6	79.2	5.9	127.3		98.2		10.9		6.8	50.3					
		G5 ON OTHER TYPES THAN G1-2-3-4	61	112.4	14.8	3.1	50.2	2.6		12.6		19.9	9.2						
	H BITUMINOUS PENETRATION	62	37.1	4.2					7.7		2.2		21.0	2.0					
	I BITUMINOUS CONCRETE II	63	395.4	9.6	23.8	20.6	34.4	20.9	14.2	120.4	7.2	114.7	29.6						
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	250.4	52.7	22.6		48.5	26.2	18.1	18.3		15.5	48.5					
		I3 ON BITUMINOUS CONCRETE	61	240.5	19.5	122.9		41.5	20.4	17.0	8.4			10.8					
		I4 ON OTHER TYPES THAN I2 AND I3	61	967.2	73.6	313.7	263.2	74.3	2.5	118.7	105.8		13.0	2.4					
	J PORTLAND CEMENT CONCRETE	70	2385.5	320.2	364.9	175.5	218.7	259.5	266.6	247.4	183.6	180.2	168.9						
HIGH TYPE SURFACES	K BRICK	80																	
	L BLOCK	90																	
	M DUAL TYPE	64-9 74-9	15.3				4.5	6.6		2.3		1.8	0.1						
	N COMBINATION TYPE	64-9 74-9	77.5	13.4		2.6	17.4		29.1	0.3	9.1	5.6							
	TOTAL HARD SURFACED		9526.0	1013.0	1001.6	969.2	971.5	942.3	1032.8	817.4	942.6	871.3	964.3						
TOTAL MILEAGE		10350.8	1073.2	1048.1	1076.2	992.6	957.5	1112.1	911.1	1038.8	961.9	1179.3							

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal State Highway

SYSTEM

COMPLETED AS OF Jan. 1 **19 49**

Jan. 1 1949

COUNTY _____ **State Total**
DIVISION No. _____ **1 through 10**

TYPE OF ROAD		MILEAGE TOTAL	Mileage by Divisions													
			DIVISION 1	DIVISION 2	DIVISION 3	DIVISION 4	DIVISION 5	DIVISION 6	DIVISION 7	DIVISION 8	DIVISION 9	DIVISION 10				
NON SURFD	A PRIMITIVE	00	0.10		0.10											
	B UNIMPROVED	10	1.54													
	C GRADED AND DRAINED	20	5.25	0.51	1.34											
	D SOIL SURFACED —UNTREATED	30	7.05		1.46	2.88	0.05									
	E GRAVEL OR STONE —UNTREATED	41-43	5.61			0.22										
LOW TYPE SURFACES	TOTAL NON HARD SURFACED			19.55	0.51	2.80	3.20	0.05								
	F BITUMINOUS SURFACE TREATED	F ₁ TOPSOIL OR SAND-CLAY	51	129.94	23.39	2.73	14.28	16.92	5.55	36.37	12.48	6.79	11.43			
		F ₂ GRAVEL OR STONE	52-53	83.20	4.34	1.80	0.29	1.27	4.51	1.63	3.03	28.65	8.61	29.07		
		F ₃ WATERBOUND MACADAM	54	3.21												3.21
	G MIXED BITUMINOUS —LOW TYPE	G ₁ ON P. C. CONCRETE	61	5.09	1.11		0.99									
		G ₂ ON BITUMINOUS CONCRETE	61	12.66		1.03	5.15		2.15		1.58		1.77	0.98		
		G ₃ ON SAND ASPHALT (HOT PREMIXT.)	61	11.96			10.58			1.38						
		G ₄ ON BITUMINOUS SURFACE TREATMENT	61	20.31	8.23	0.32	5.31		0.38		1.26		1.92	2.89		
		G ₅ ON OTHER TYPES THAN G ₁₋₂₋₃₋₄	61	6.15	0.87		2.29	0.19		1.74			1.06			
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION	62	6.17							1.09			3.63	1.45		
	I BITUMINOUS CONCRETE I ₁	63	225.96	8.22	5.00	12.30	28.80	42.20	14.94	43.40	19.55	29.98	21.57			
	I ₂ SAND ASPHALT —HOT PREMIXED	I ₂ ON P. C. CONCRETE	61	32.87	2.32	3.73	1.97	4.70	5.20	1.54	4.65	0.72	4.41	3.63		
		I ₃ ON BITUMINOUS CONCRETE	61	75.76	2.24	10.49	3.46	10.45	12.06	0.53	12.56	1.06	18.34	4.57		
		I ₄ ON OTHER TYPES THAN I ₂ AND I ₃	61	81.93	2.62	13.58	16.91	5.98	1.42	24.04	9.07		7.82	0.49		
	J PORTLAND CEMENT CONCRETE	70	309.92	30.93	32.25	30.63	32.52	31.55	32.25	32.32	25.23	39.64	22.60			
	K BRICK	80	0.70					0.27			0.43					
	L BLOCK	90	0.11						0.11							
	M DUAL TYPE	64-9 74-9	17.97	1.55		0.83	2.24	7.90	2.93	1.34	1.18					
	N COMBINATION TYPE	64-9 74-9	12.82	0.37		1.67	2.83	2.01	0.33	5.61						
TOTAL HARD SURFACED			1036.73	86.19	70.93	104.16	103.33	107.53	117.25	131.46	86.94	136.79	92.15			
TOTAL MILEAGE			1056.28	86.70	73.73	107.36	103.38	107.53	120.16	132.12	89.86	139.16	96.28			

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural County Road

SYSTEM

COMPLETED AS OF

Jan.

1949

COUNTY _____
DIVISION NO. _____

tal-Statewide

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES										DIVISION NO. 1 through 10		
NON SURF'D		00	DIVISION 1	DIVISION 2	DIVISION 3	DIVISION 4	DIVISION 5	DIVISION 6	DIVISION 7	DIVISION 8	DIVISION 9	DIVISION 10			
	A PRIMITIVE		56.1	41.3	156.6	10.9	19.5	49.7	43.2	163.4	16.6	46.6			
B UNIMPROVED		10	4176.7	247.7	325.4	385.6	116.8	157.8	263.4	233.7	913.1	478.5	1054.7		
C GRADED AND DRAINED		20	20074.4	2822.9	3362.2	2517.9	1384.2	2198.0	2590.4	1272.0	1550.1	1865.2	511.5		
D SOIL SURFACED	—UNTREATED	30	12666.4	429.2	172.0	1309.9	2378.8	781.6	2152.4	2121.1	1088.2	2225.9	7.3		
E GRAVEL OR STONE	—UNTREATED	41-43	8400.7	197.6	46.7	19.4	318.7	1152.1	576.9	766.0	1660.2	632.8	3030.3		
TOTAL NON HARD SURFACED			45922.1	3753.5	3947.6	4389.4	4209.4	4309.0	5632.8	4436.0	5375.0	5219.0	4650.4		
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F ₁ TOPSOIL OR SAND-CLAY	51	2620.9	257.9	79.8	198.2	403.6	258.5	477.7	373.4	210.1	354.0	7.7	
		F ₂ GRAVEL OR STONE	52-53	1110.3	94.9	34.2	3.0	36.4	223.0	51.2	166.8	205.2	146.8	148.8	
		F ₃ WATERBOUND MACADAM	54	29.6		0.6			3.2		22.1		3.2	0.5	
HIGH TYPE SURFACES	G MIXED BITUMINOUS —LOW TYPE	G ₁ ON P. C. CONCRETE	61	x	3.6			0.9	1.5			1.2			
		G ₂ ON BITUMINOUS CONCRETE	61	x	0.7						0.7				
		G ₃ ON SAND ASPHALT (HOT PREMIXT.)	61	x	6.6	5.2						1.4			
		G ₄ ON BITUMINOUS SURFACE TREATMENT	61	x	8.9		4.6	1.3		0.9	1.8		0.3		
		G ₅ ON OTHER TYPES THAN G ₁₋₂₋₃₋₄	61	x	210.2	80.4	25.2	95.9	7.1		1.6				
H BITUMINOUS PENETRATION		62	14.0				1.9	3.3		1.8		5.8	1.2		
I BITUMINOUS CONCRETE I ₁		63	97.2	4.1	4.3	2.6	3.5	13.1	9.0	19.6	7.7	1.6	31.7		
SAND ASPHALT —HOT PREMIXED	I ₂ ON P. C. CONCRETE	61	7.1		0.4	0.3		0.5		1.5	4.4				
	I ₃ ON BITUMINOUS CONCRETE	61	7.5		0.5		1.5			5.0		0.5			
	I ₄ ON OTHER TYPES THAN I ₂ AND I ₃	61	766.2	91.1	151.4	191.8	140.6	42.1	17.1	103.1		19.8	9.2		
J PORTLAND CEMENT CONCRETE		70	193.5	35.2	7.3	2.0	3.5	35.0	9.0	17.2	17.7	5.0	61.6		
K BRICK		80	32.3	17.1	15.2										
L BLOCK		90													
M DUAL TYPE		64-9													
N COMBINATION TYPE		74-9													
TOTAL HARD SURFACED			5109.3	585.9	323.5	495.1	599.0	581.1	564.0	714.6	447.0	537.6	261.5		
TOTAL MILEAGE			51031.4	4339.4	4271.1	4884.5	4808.4	4890.1	6196.8	5150.6	5822.0	5756.6	4911.9		

**NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD**

Municipal County Road

SYSTEM

COMPLETED AS OF

Jan. 1

1949

COUNTY _____ State Total
DIVISION NO. 1 through 10

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES												
			1	2	3	4	5	6	7	8	9	10			
NON SURFD	A PRIMITIVE	00	1.48		0.20	0.67		0.10		0.51					
	B UNIMPROVED	10	34.47	1.39	3.60	3.60	0.92	0.84	4.22	2.98	0.97	1.84	14.11		
	C GRADED AND DRAINED	20	148.94	29.17	21.70	23.85	5.67	21.21	14.75	9.67	8.49	10.68	3.75		
LOW TYPE SURFACES	D SOIL SURFACED —UNTREATED	30	243.86	4.04	21.17	35.12	42.03	8.50	50.62	34.59	10.63	37.16			
	E GRAVEL OR STONE —UNTREATED	41-43	121.78	2.85	1.75	0.85	0.76	10.01	2.85	6.66	13.76	12.72	69.57		
	TOTAL NON HARD SURFACED		550.53	37.45	48.42	64.09	49.38	40.56	72.54	53.90	34.36	62.40	87.43		
	F BITUMINOUS SURFACE TREATED	F ₁	TOPSOIL OR SAND-CLAY 51	253.26	26.95	7.57	15.08	29.62	23.39	56.68	42.77	12.77	37.50	0.93	
		F ₂	GRAVEL OR STONE 52-53	78.33	2.59	2.11		1.41	12.40	2.85	9.98	12.47	21.70	12.82	
		F ₃	WATERBOUND MACADAM 54	2.73		0.43							2.30		
	G MIXED BITUMINOUS —LOW TYPE	G ₁	ON P. C. CONCRETE 61	0.46								0.46			
		G ₂	ON BITUMINOUS CONCRETE 61	0.94	0.54						0.40				
		G ₃	ON SAND ASPHALT (Hot Premixt.) 61	1.19	0.25	0.86	0.08								
		G ₄	ON BITUMINOUS SURFACE TREATMENT 61	2.23		0.72	0.40	0.59				0.52			
		G ₅	ON OTHER TYPES THAN G ₁₋₂₋₃₋₄ 61	13.04	0.93	2.96	8.92	0.23							
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION	62	6.73							5.47	0.20	0.89	0.17		
	I BITUMINOUS CONCRETE I ₁	63	100.66	3.35	2.27	0.46	4.90	34.11	1.98	17.60	13.68	6.32	15.99		
	SAND ASPHALT —HOT PREMIXED	I ₂	ON P. C. CONCRETE 61	2.49	0.55				0.30	0.45	0.57	0.62			
		I ₃	ON BITUMINOUS CONCRETE 61	15.19		3.31	1.78	1.51		7.68	0.42	0.49			
		I ₄	ON OTHER TYPES THAN I ₂ AND I ₃ 61	67.72	5.62	10.71	18.96	6.82	3.76	5.03	4.66	0.18	9.22	2.76	
	J PORTLAND CEMENT CONCRETE	70	63.67	1.06	3.17	3.43	2.23	8.25	4.31	3.50	11.97	4.11	21.64		
	K BRICK	80	2.96	0.43	1.65	0.77		0.11							
	L BLOCK	90													
	M DUAL TYPE	64-9 74-9	1.13					0.93		0.12		0.08			
	N COMBINATION TYPE	64-9 74-9	1.01							1.01					
TOTAL HARD SURFACED		613.74	42.27	34.90	48.88	47.07	85.05	71.15	92.63	53.73	80.85	57.21			
TOTAL MILEAGE		1164.27	79.72	83.32	112.97	96.45	125.61	143.69	146.53	88.09	143.25	144.64			

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural State Highway

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY	Totals
DIVISION NO.	One (1)

		MILEAGE TOTAL	MILEAGE BY COUNTIES																
TYPE OF ROAD			BERTIE	CAMDEN	CHOWAN	CURRITUCK	DARE	EDGECOMBE	GATES	HALIFAX	HERTFORD	MARTIN	NORTHAMPTON	PASQUOTANK	PERQUIMANS	WARREN			
NON SURFD	A PRIMITIVE	00																	
	B UNIMPROVED	10																	
	C GRADED AND DRAINED	20	22.3																
LOW TYPE SURFACES	D SOIL SURFACED —UNTREATED	30	30.6																
	E GRAVEL OR STONE —UNTREATED	41-43	7.3																
	TOTAL NON HARD SURFACED		60.2																
	F BITUMINOUS SURFACE	F1 TOPSOIL OR SAND-CLAY	51	362.5	58.1	5.0													
		F2 GRAVEL OR STONE	52-53	38.3			4.3												
		F3 WATERBOUND MACADAM	54																
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61																
		G2 ON BITUMINOUS CONCRETE	61																
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61	25.0			16.7												
		G4 ON BITUMINOUS SURFACE TREATMENT	61	79.2															
HIGH TYPE SURFACES	G5 ON OTHER TYPES THAN G1-2-3-4	61	14.8																
	H BITUMINOUS PENETRATION	62	4.2																
	I BITUMINOUS CONCRETE I	63	9.6	6.2															
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	52.7		11.6	0.4	11.0											
		I3 ON BITUMINOUS CONCRETE	61	19.5	1.9														
		I4 ON OTHER TYPES THAN I2 AND I3	61	73.6		11.6	3.6	24.4	18.5										
	J PORTLAND CEMENT CONCRETE	70	320.2	35.6	2.5	23.2	25.0												
	K BRICK	80																	
	L BLOCK	90																	
	M DUAL TYPE	64-9 74-9																	
	N COMBINATION TYPE	64-9 74-9	13.4																
TOTAL HARD SURFACED		1013.0	101.8	30.7	48.2	60.4	33.9	136.3	67.2	128.5	57.3	89.5	131.1	34.8	26.7	66.6			
TOTAL MILEAGE		1073.2	101.8	43.3	48.2	60.4	33.9	139.4	67.2	163.3	57.3	99.2	131.1	34.8	26.7	66.6			

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal State Highway

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Total
DIVISION NO. One (1)

		MILEAGE TOTAL	MILEAGE BY COUNTIES													
TYPE OF ROAD			BERTIE	CAMDEN	CHOWAN	CURRITUCK	DARE	EDGECOMBE	GATES	HALIFAX	HERTFORD	MARTIN	NORTHHAMPTON	PASQUOTANK	PERQUIMANS	WARREN
NON SURFD	A PRIMITIVE	00														
	B UNIMPROVED	10														
	C GRADED AND DRAINED	20	0.51	0.51												
	D SOIL SURFACED —UNTREATED	30														
	E GRAVEL OR STONE —UNTREATED	41-43														
TOTAL NON HARD SURFACED		0.51	0.51													
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F ₁ TOPSOIL OR SAND-CLAY	51	23.39	3.04					1.89	2.93	2.88	3.36	8.65		0.64
		F ₂ GRAVEL OR STONE	52-53	4.34	3.22					0.16	0.22	0.17				0.57
		F ₃ WATERBOUND MACADAM	54													
	G MIXED BITUMINOUS —LOW TYPE	G ₁ ON P. C. CONCRETE	61	1.11					0.21				0.90			
		G ₂ ON BITUMINOUS CONCRETE	61													
		G ₃ ON SAND ASPHALT (HOT PREMIXT.)	61													
		G ₄ ON BITUMINOUS SURFACE TREATMENT	61	8.23					1.41	0.30	0.43		6.09			
		G ₅ ON OTHER TYPES THAN G ₁₋₂₋₃₋₄	61	0.87								0.87				
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION	62														
	I BITUMINOUS CONCRETE I ₁	63	8.22	1.10	1.20				1.67	0.43	0.22	0.70	1.82		1.08	
	I ₂ ON P. C. CONCRETE —HOT PREMIXED	I ₂ ON P. C. CONCRETE	61	2.32	1.32				1.00							
		I ₃ ON BITUMINOUS CONCRETE	61	2.24	1.54								0.70			
		I ₄ ON OTHER TYPES THAN I ₂ AND I ₃	61	2.62				1.40	0.76			0.16	0.30			
	J PORTLAND CEMENT CONCRETE	70	30.93	1.09	0.04	1.34			2.99	0.47	8.36	3.80	4.96	3.02	0.20	1.32
	K BRICK	80														
	L BLOCK	90														
	M DUAL TYPE	64-9											1.55			
	N COMBINATION TYPE	74-9	1.55										0.16			
		74-9														
		74-9	0.37	0.21												
TOTAL HARD SURFACED		86.19	10.20	1.36	2.54			1.40	9.93	0.93	12.15	7.12	11.77	18.66	2.88	1.62
TOTAL MILEAGE		86.70	10.20	1.87	2.54	0.00	1.40	9.93	0.93	12.15	7.12	11.77	18.66	2.88	1.62	5.63

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural County Road

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY	Totals
DIVISION NO.	One (1)

		MILEAGE TOTAL	MILEAGE BY COUNTIES																	
TYPE OF ROAD			BERTIE	CAMDEN	CHOWAN	CURRITUCK	DARE	EDGECOMBE	GATES	HALIFAX	HERTFORD	MARTIN	NORTHAMPTON	PASQUOTANK	PERQUIMANS	WARREN				
NON SURFD	A PRIMITIVE	00	56.1	13.3	1.5	0.2	2.8	5.4	2.4	12.4	5.7	3.5	4.8	2.8	0.5	5.1	0.8			
	B UNIMPROVED	10	247.7	19.3	10.7	4.0	20.9	64.1	8.2	14.6	37.5	11.6	11.1	20.6	8.8	156.0	10.3			
	C GRADED AND DRAINED	20	2822.9	358.4	112.3	113.1	89.2	59.2	319.3	193.5	270.4	239.7	328.1	222.9	135.9	157.0	223.9			
	D SOIL SURFACED —UNTREATED	30	429.2	18.2	1.0	1.8	3.6	0.2	79.1	8.3	71.9	25.3	0.4	55.3	1.1	3.8	159.2			
	E GRAVEL OR STONE —UNTREATED	41-43	197.6	2.6		1.2	5.8	0.5	0.3		143.6		0.1	35.8	3.2	2.6	1.9			
	TOTAL NON HARD SURFACED			3753.5	411.8	125.5	120.3	122.3	129.4	409.3	228.8	529.1	280.1	344.5	337.4	149.5	169.4	396.1		
	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	257.9	28.8	7.8	8.5	0.7		38.2	2.7	33.1	51.4	29.0	21.9	0.5	4.2	31.1		
		F2 GRAVEL OR STONE	52-53	94.9	0.6		8.4	6.3	9.9		12.7	13.8		5.4	7.2	7.0	7.7	15.9		
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61					3.8			1.4									
		G2 ON BITUMINOUS CONCRETE	61																	
HIGH TYPE SURFACES	G3 ON SAND ASPHALT (HOT PREMIXT.)	61	5.2																	
		G4 ON BITUMINOUS SURFACE TREATMENT	61																	
		G5 ON OTHER TYPES THAN G1-2-3-4	61	80.4	4.2		3.4	14.4	28.0		12.7			7.1		7.8	2.8			
	H BITUMINOUS PENETRATION	62																		
	I BITUMINOUS CONCRETE I1	63	4.1				0.1										2.8	1.2		
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61																	
		I3 ON BITUMINOUS CONCRETE	61																	
		I4 ON OTHER TYPES THAN I2 AND I3	61	91.1	5.5	11.4	10.7	2.8	28.1	5.9				0.3		22.6	2.8			
	J PORTLAND CEMENT CONCRETE	70	35.2			4.5		1.6	3.4								4.7	22.0		
	K BRICK	80	17.1														5.1	12.0		
	L BLOCK	90																		
	M DUAL TYPE	64-9 74-9																		
	N COMBINATION TYPE	64-9 74-9																		
TOTAL HARD SURFACED			585.9	33.6	13.3	40.1	32.1	42.3	69.7	35.4	46.9	51.4	41.8	29.1	47.7	54.3	48.2			
TOTAL MILEAGE			4339.4	445.4	138.8	160.4	154.4	171.7	479.0	264.2	576.0	331.5	386.3	366.5	197.2	223.7	444.3			

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal County Road		SYSTEM	COMPLETED AS OF Jan. 1 1949										COUNTY Totals				
													DIVISION NO. One (1)				
		TYPE OF ROAD	MILEAGE TOTAL	MILEAGE BY COUNTIES													
				BERTIE	CAMDEN	CHOWAN	CURRITUCK	DARE	EDGECOMBE	GATES	HALIFAX	HERTFORD	MARTIN	NORTHHAMPTON	PERQUIMANS	WARREN	
NON SURF'D	A PRIMITIVE		00														
	B UNIMPROVED		10	1.39	0.65	0.22					0.34			0.18			
	C GRADED AND DRAINED		20	29.17	4.54	1.56	0.12		0.23	2.27	2.35	1.38	7.28	6.80	0.28	2.36	
	D SOIL SURFACED —UNTREATED		30	4.04	0.43				0.57		0.64	0.20	0.20	0.70	0.08	1.22	
	E GRAVEL OR STONE —UNTREATED		41-43	2.85	0.60				0.03		0.10	1.10		0.82		0.20	
	TOTAL NON HARD SURFACED		37.45	6.22	1.78	0.12		0.23	2.87	3.43	2.68	7.48	8.32	0.26	0.28	3.78	
	F BITUMINOUS SURFACE TREATED	F ₁ TOPSOIL OR SAND-CLAY	51	26.95	4.95		0.15		5.21		3.97	2.66	4.11	3.23	0.59	2.08	
		F ₂ GRAVEL OR STONE	52-53	2.59						0.30	0.10		1.92		0.27		
		F ₃ WATERBOUND MACADAM	54														
	G MIXED BITUMINOUS —LOW TYPE	G ₁ ON P. C. CONCRETE	61						0.54								
LOW TYPE SURFACES		G ₂ ON BITUMINOUS CONCRETE	61	0.54													
		G ₃ ON SAND ASPHALT (Hot Premixt.)	61	0.25		0.25											
		G ₄ ON BITUMINOUS SURFACE TREATMENT	61														
		G ₅ ON OTHER TYPES THAN G1-2-3-4	61	0.93					0.50	0.43							
	H BITUMINOUS PENETRATION		62														
	I BITUMINOUS CONCRETE I ₁		63	3.35					0.78		0.13	0.50		0.74	0.95	0.25	
	SAND ASPHALT —HOT PREMIXED	I ₂ ON P. C. CONCRETE	61	0.55										0.55			
		I ₃ ON BITUMINOUS CONCRETE	61														
		I ₄ ON OTHER TYPES THAN I ₂ AND I ₃	61	5.62					0.60	1.72	0.95	0.20		2.15			
	J PORTLAND CEMENT CONCRETE		70	1.06					0.28	0.06	0.30			0.19	0.20	0.03	
HIGH TYPE SURFACES	K BRICK		80	0.43										0.43			
	L BLOCK		90														
	M DUAL TYPE		64-9														
			74-9														
	N COMBINATION TYPE		64-9														
			74-9														
	TOTAL HARD SURFACED		42.27	4.95	0.40	0.00	1.10	8.53	0.49	5.65	3.26	4.31	5.15	4.65	1.42	2.36	
	TOTAL MILEAGE		79.72	11.17	1.78	0.52	0.00	1.33	11.40	0.49	9.08	5.94	11.79	13.47	4.91	1.70	6.14

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural State Highway

SYSTEM

COMPLETED AS OF Jan. 1 **1949**

Jan. 1 1949

COUNTY _____ **Totals**
DIVISION No. Two (2)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES										WASHINGTON			
			BEAUFORT	CARTERET	CRAVEN	GREENE	HYDE	JONES	LENOIR	ONSLOW	PAMlico	PITT	TYRRELL			
A	PRIMITIVE	00														
B	UNIMPROVED	10														
C	GRADED AND DRAINED	20	33.2	3.9				3.3					9.6	14.3	2.1	
D	SOIL SURFACED —UNTREATED	30	13.2									13.2				
E	GRAVEL OR STONE —UNTREATED	41-43	0.1					0.1								
TOTAL NON HARD SURFACED		46.5	3.9					3.4				22.8	14.3	2.1		
F	BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY 51	50.3				15.7	7.7				19.2	7.7			
		F2 GRAVEL OR STONE 52-53	51.3	17.4			0.7	18.2					7.1	7.9		
		F3 WATERBOUND MACADAM 54														
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE 61	x													
		G2 ON BITUMINOUS CONCRETE 61	x	16.8	4.0		5.0					7.8				
H		G3 ON SAND ASPHALT (HOT PREMIXT.) 61	x	26.3		25.2			1.1							
		G4 ON BITUMINOUS SURFACE TREATMENT 61	x	5.9		0.8							5.1			
		G5 ON OTHER TYPES THAN G1-2-3-4 61	x	3.1								3.1				
	H BITUMINOUS PENETRATION	62														
I	BITUMINOUS CONCRETE I1	63	23.8			8.4				11.5		3.9				
I	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE 61	22.6	0.7	14.7							7.2				
		I3 ON BITUMINOUS CONCRETE 61	122.9	8.5	10.0	17.2			25.4	55.8		6.0				
		I4 ON OTHER TYPES THAN I2 AND I3 61	313.7	14.9	40.0	37.0	9.3	4.0	27.4	49.5	61.6	22.0	34.9	13.1		
J	PORLAND CEMENT CONCRETE	70	364.9	89.2	10.3	49.9	22.8	18.9	32.7	1.6		14.8	88.4	10.7	25.6	
K	BRICK	80														
L	BLOCK	90														
M	DUAL TYPE	64-9 74-9														
N	COMBINATION TYPE	64-9 74-9														
TOTAL HARD SURFACED		1001.6	134.7	76.3	125.0	65.7	48.8	61.2	88.0	117.4	51.6	155.7	30.6	46.6		
TOTAL MILEAGE		1048.1	138.6	76.3	125.0	65.7	52.2	61.2	88.0	117.4	51.6	178.5	44.9	48.7		

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal State Highway

SYSTEM

COMPLETED AS OF Jan. 1 **19⁴⁹**

COUNTY _____ Total _____
DIVISION No. Two (2)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES																
NON SURFD	A PRIMITIVE	00	BEAUFORT	CARTERET	CRAVEN	GREENE	HYDE	JONES	LENOIR	ONSLOW	PAMLICO	PITT	TYRELL	WASHINGTON					
	B UNIMPROVED	10																	
	C GRADED AND DRAINED	20	1.34												1.34				
	D SOIL SURFACED —UNTREATED	30	1.46												1.46				
	E GRAVEL OR STONE —UNTREATED	41-43													1.46	1.34			
	TOTAL NON HARD SURFACED		2.80																
	F BITUMINOUS SURFACE TREATED	51	2.73				1.15								1.39	0.19			
	F ₂ GRAVEL OR STONE	52-53	1.80	0.67				0.63								0.50			
	F ₃ WATERBOUND MACADAM	54																	
	G MIXED BITUMINOUS —LOW TYPE	61																	
	G ₁ ON P. C. CONCRETE	x																	
	G ₂ ON BITUMINOUS CONCRETE	61	1.03	1.03															
	G ₃ ON SAND ASPHALT (Hot Premixt.)	61																	
	G ₄ ON BITUMINOUS SURFACE TREATMENT	61	0.32												0.32				
	G ₅ ON OTHER TYPES THAN G ₁₋₂₋₃₋₄	61																	
	H BITUMINOUS PENETRATION	62																	
	I BITUMINOUS CONCRETE I ₁	63	5.00																
	SAND ASPHALT —HOT PREMIXED	I ₂ ON P. C. CONCRETE	61	3.73	0.04	0.65	0.29				1.40	0.32	0.44	0.43					
	I ₃ ON BITUMINOUS CONCRETE	61	10.49	0.45		0.85					4.89	3.56							
	I ₄ ON OTHER TYPES THAN I ₂ AND I ₃	61	13.58	0.47	5.34	2.21	0.68				0.17	0.52	1.45	2.54	0.20				
	J PORTLAND CEMENT CONCRETE	70	32.25	5.36	4.38	0.53		2.33	0.05				3.43	11.58	0.36	4.23			
	K BRICK	80																	
	L BLOCK	90																	
	M DUAL TYPE	64-9																	
	N COMBINATION TYPE	74-9																	
	TOTAL HARD SURFACED		70.93	8.02	5.34	9.65	3.50	0.63	2.33	6.51	4.08	5.20	19.44	0.87	5.36				
	TOTAL MILEAGE		73.73	8.02	5.34	9.65	3.50	0.63	2.33	6.51	4.08	5.20	20.90	0.87	5.70				
HIGH TYPE SURFACES	TOTAL MILEAGE		73.73	8.02	5.34	9.65	3.50	0.63	2.33	6.51	4.08	5.20	20.90	0.87	5.70				

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural County Road

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY	Totals
DIVISION NO.	Two (2)

		MILEAGE TOTAL	MILEAGE BY COUNTIES											
TYPE OF ROAD			BEAUFORT	CARTERET	GRAVEN	GREENE	HYDE	JONES	LENOIR	ONSLOW	PAMLICO	PITT	TYRELL	WASHINGTON
NON SURF'D	A PRIMITIVE	00	41.3	2.3	1.6	15.6	2.2	0.3	1.6	5.9	2.9	4.8	3.8	0.3
	B UNIMPROVED	10	325.4	45.6	23.6	45.1	15.7	10.4	13.3	59.2	35.9	14.6	40.7	15.0
	C GRADED AND DRAINED	20	3362.2	516.3	123.9	321.5	308.7	137.4	172.2	442.4	318.5	152.4	641.8	87.0
	D SOIL SURFACED —UNTREATED	30	172.0	57.8	12.0	26.2	1.0	0.5	5.5	1.4	8.6	27.5	12.2	19.3
	E GRAVEL OR STONE —UNTREATED	41-43	46.7	1.1	7.1	1.3	6.8	0.1	4.8	1.5	9.8	0.5	13.7	
	TOTAL NON HARD SURFACED		3947.6	623.1	168.2	409.7	331.2	151.1	191.1	510.2	371.5	179.0	714.8	131.7
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	79.8	3.1	9.8	7.0	16.2	15.0	14.4	1.0	11.3		2.0
		F2 GRAVEL OR STONE	52-53	34.2	1.8	4.6	3.6	4.3		3.9	10.2	5.8		
		F3 WATERBOUND MACADAM	54	0.6								0.6		
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	x										
		G2 ON BITUMINOUS CONCRETE	61	x										
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61	x										
		G4 ON BITUMINOUS SURFACE TREATMENT	61	x	4.6	4.6							4.4	
		G5 ON OTHER TYPES THAN G1-2-3-4	61	x	25.2		20.8							
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION	62												
	I BITUMINOUS CONCRETE I1	63	4.3								4.3			
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	0.4	0.2	0.2								
		I3 ON BITUMINOUS CONCRETE	61	0.5							0.5			
		I4 ON OTHER TYPES THAN I2 AND I3	61	151.4	9.8	8.2	3.2	28.1	43.3	19.7	0.3	38.8		
	J PORTLAND CEMENT CONCRETE	70	7.3	3.0	0.2	1.3			0.4			2.4		
K BRICK		80	15.2			15.2								
L BLOCK		90												
M DUAL TYPE		64-9												
N COMBINATION TYPE		74-9												
TOTAL HARD SURFACED		323.5	12.7	45.2	35.5	19.4	19.3	28.1	66.3	31.4	6.1	53.1	4.4	2.0
TOTAL MILEAGE		4271.1	635.8	213.4	445.2	350.6	170.4	219.2	576.3	402.9	185.1	767.9	136.1	168.0

**NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD**

Municipal County Road

SYSTEM

COMPLETED AS OF Jan. 1 **19⁴⁹**

Jan

1949

COUNTY _____ **Totals** _____
DIVISION NO. **Two (2)** _____

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES															
NON SURF'D	A PRIMITIVE	00	0.20	BEAUFORT	CARTERET	CRAVEN	GREENE	HYDE	JONES	LENOIR	ONSLOW	PAMlico	PITT	TYRRELL	WASHINGTON			
	B UNIMPROVED	10	3.60	2.30		0.55						0.21	0.54					
	C GRADED AND DRAINED	20	21.70	3.12	1.74	3.26	1.79	0.69	0.93	0.44	1.58	2.69	3.50		1.96			
	D SOIL SURFACED —UNTREATED	30	21.17	4.17	0.25		0.28				3.48		0.52	10.67		1.80		
	E GRAVEL OR STONE —UNTREATED	41-43	1.75		1.35			0.40										
	TOTAL NON HARD SURFACED		48.42	9.59	3.34	3.81	2.07	0.69	1.33	3.92	1.58	3.42	14.91		3.76			
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	7.57	0.73		0.84	0.52	0.93		2.22		0.63	0.30	1.40			
		F2 GRAVEL OR STONE	52-53	2.11	1.15		0.06						0.40		0.50			
		F3 WATERBOUND MACADAM	54	0.43									0.43					
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61															
		G2 ON BITUMINOUS CONCRETE	61															
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61												0.27			
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION		62															
	I BITUMINOUS CONCRETE I1		63	2.27	0.17		0.35				0.30	0.70		0.75				
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61															
		I3 ON BITUMINOUS CONCRETE	61	3.31	1.02						0.13	2.16						
		I4 ON OTHER TYPES THAN I2 AND I3	61	10.71	1.77	1.78	0.93	0.08	0.23	1.44	1.77	2.28	0.23	0.20				
	J PORTLAND CEMENT CONCRETE		70	3.17		0.30	0.60						1.89		0.38			
K BRICK			80	1.65			1.65											
L BLOCK			90															
M DUAL TYPE			64-9															
N COMBINATION TYPE			74-9															
TOTAL HARD SURFACED			34.90	5.29	4.99	4.37	0.66	0.93	0.23	4.09	4.63	0.05	6.38	0.53	2.75			
TOTAL MILEAGE			83.32	14.88	8.33	8.18	2.73	1.62	1.56	8.01	6.21	3.47	21.29	0.53	6.51			

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural State Highway		SYSTEM	COMPLETED AS OF		Jan. 1	1949	COUNTY	Totals	
							DIVISION No.	Three (3)	
		TYPE OF ROAD	MILEAGE TOTAL		MILEAGE BY COUNTIES				
				BLADEN BRUNSWICK COLUMBUS	CUMBERLAND	NEW HANOVER	PENDER SAMPSON		
NON SURF'D	A	PRIMITIVE	00						
	B	UNIMPROVED	10						
	C	GRADED AND DRAINED	20	16.5		6.6		9.5 0.4	
	D	SOIL SURFACED —UNTREATED	30	83.5	25.4	14.3	11.9	8.2 4.6 19.1	
	E	GRAVEL OR STONE —UNTREATED	41-43	7.0	7.0				
	TOTAL NON HARD SURFACED			107.0	32.4	20.9	11.9	17.7 4.6 19.5	
	LOW TYPE SURFACES	F	BITUMINOUS SURFACE TREATED	51	135.1	37.0	0.5	10.4	20.8 10.9 1.3 2.3 51.9
		F2	GRAVEL OR STONE	52-53	12.9	3.9		7.9	1.1
		F3	WATERBOUND MACADAM	54					
		G	MIXED BITUMINOUS —LOW TYPE	61	13.6				13.6
G2		ON BITUMINOUS CONCRETE	61	24.9		14.4		10.5	
G3		ON SAND ASPHALT (HOT PREMIXT.)	61	143.3	8.2	37.3	6.9	41.6 31.4 13.4	
G4		ON BITUMINOUS SURFACE TREATMENT	61	127.3	26.8	17.0	29.0	54.5	
G5		ON OTHER TYPES THAN G1-2-3-4	61	50.2	16.5	12.8	3.0	1.9 11.6 4.4	
H		BITUMINOUS PENETRATION	62						
I		BITUMINOUS CONCRETE II	63	20.6			0.4	8.7 11.5	
HIGH TYPE SURFACES	I2	SAND ASPHALT —HOT PREMIXED	61						
	I3	ON P. C. CONCRETE	61						
	I4	ON BITUMINOUS CONCRETE	61						
	I4	ON OTHER TYPES THAN I2 AND I3	61	263.2	63.6	27.1	50.8	15.4 16.3 25.1 52.5 12.4	
	J	PORLTAND CEMENT CONCRETE	70	175.5	13.4	8.7	38.2	40.8 32.7 6.4 0.5 34.8	
	K	BRICK	80						
	L	BLOCK	90						
	M	DUAL TYPE	64-9 74-9						
	N	COMBINATION TYPE	64-9 74-9	2.6	1.1	0.2		1.3	
	TOTAL HARD SURFACED			969.2	169.4	104.5	123.9	120.7 123.6 42.6 103.9 180.6	
TOTAL MILEAGE			1076.2	201.8	104.5	144.8	132.6	141.3 42.6 108.5 200.1	

**NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD**

Municipal State Highway

SYSTEM

COMPLETED AS OF Jan. 1 **1949**

COUNTY _____ Total _____
DIVISION No. Three (3)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES											
			BLADEN	BRUNSWICK	COLUMBUS	CUMBERLAND	New Hanover	DUPLIN	PENDER	SAMPSON				
NON SURF'D	A PRIMITIVE	00	0.10			0.10								
	B UNIMPROVED	10												
	C GRADED AND DRAINED	20												
	D SOIL SURFACED —UNTREATED	30	2.88			0.47	1.25	0.66		0.50				
	E GRAVEL OR STONE —UNTREATED	41-43	0.22			0.22								
	TOTAL NON HARD SURFACED		3.20			0.47	1.57	0.66		0.50				
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F ₁ TOPSOIL OR SAND-CLAY	51	14.28	0.78	2.57	2.89	0.51	1.01	0.90	5.62			
		F ₂ GRAVEL OR STONE	52-53	0.29					0.29					
		F ₃ WATERBOUND MACADAM	54											
	G MIXED BITUMINOUS —LOW TYPE	G ₁ ON P. C. CONCRETE	61	0.99							0.99			
		G ₂ ON BITUMINOUS CONCRETE	61	5.15		2.64		2.51						
		G ₃ ON SAND ASPHALT (Hot Premixt.)	61	10.58	0.92	2.18	2.97	1.49	3.02					
		G ₄ ON BITUMINOUS SURFACE TREATMENT	61	5.31	0.56		1.10				3.65			
		G ₅ ON OTHER TYPES THAN G ₁₋₂₋₃₋₄	61	2.29		0.91	0.36	0.93		0.09				
	H BITUMINOUS PENETRATION	62												
	I BITUMINOUS CONCRETE I ₁	63	12.30			0.95		8.28	1.58	1.49				
	SAND ASPHALT —HOT PREMIXED	I ₂ ON P. C. CONCRETE	61	1.97		1.31	0.66							
		I ₃ ON BITUMINOUS CONCRETE	61	3.46			2.99			0.47				
		I ₄ ON OTHER TYPES THAN I ₂ AND I ₃	61	16.91	4.06	0.69	3.39	2.86	0.57	2.91	1.33	1.10		
HIGH TYPE SURFACES	J PORTLAND CEMENT CONCRETE	70	30.63	1.51		9.54	8.19	6.94	1.37		3.08			
	K BRICK	80												
	L BLOCK	90												
	M DUAL TYPE	64-9 74-9												
	N COMBINATION TYPE	64-9 74-9												
	TOTAL HARD SURFACED		104.16	7.83	2.87	23.33	21.49	14.48	13.86	3.90	16.40			
TOTAL MILEAGE		107.36	7.83	2.87	23.80	23.06	15.14	13.86	3.90	16.90				

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal County Road

SYSTEM

COMPLETED AS OF

Jan. 1 1949

COUNTY Totals
DIVISION NO. Three (3)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES																	
NON SURFD			BLADEN	BRUNSWICK	COLUMBUS	CUMBERLAND	DUPLIN	NEW HANOVER	PENDER											
A PRIMITIVE		00	0.67				0.67													
B UNIMPROVED		10	3.60			2.18		1.02	0.40											
C GRADED AND DRAINED		20	23.85	0.56	0.96	14.39		5.98	0.20	1.09	0.67									
D SOIL SURFACED	—UNTREATED	30	35.12	1.48	0.40	3.96	5.57	10.15	0.25	6.26	7.05									
E GRAVEL OR STONE	—UNTREATED	41-43	0.85		0.85															
TOTAL NON HARD SURFACED		64.09	2.04	2.21	20.53	5.57	17.82	0.85	7.35	7.72										
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	15.08	1.40	2.39	5.31	2.82		2.36	0.80									
		F2 GRAVEL OR STONE	52-53																	
		F3 WATERBOUND MACADAM	54																	
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61																	
		G2 ON BITUMINOUS CONCRETE	61																	
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61	0.86			0.56													
		G4 ON BITUMINOUS SURFACE TREATMENT	61	0.40			0.40													
		G5 ON OTHER TYPES THAN G1-2-3-4	61	8.92		2.00	0.70	1.90	1.05	1.39		1.88								
	H BITUMINOUS PENETRATION		62																	
	I BITUMINOUS CONCRETE I1		63	0.46			0.20			0.26										
HIGH TYPE SURFACES	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61																	
		I3 ON BITUMINOUS CONCRETE	61																	
		I4 ON OTHER TYPES THAN I2 AND I3	61	18.96	1.77	1.82	2.14	0.88	11.65		0.70									
	J PORTLAND CEMENT CONCRETE		70	3.43			1.23		2.20											
K BRICK			80	0.77					0.77											
L BLOCK			90																	
M DUAL TYPE			64-9																	
N COMBINATION TYPE			74-9																	
TOTAL HARD SURFACED		48.88	3.17	2.00	4.91	12.04	4.75	16.01	2.36	3.64										
TOTAL MILEAGE		112.97	5.21	4.21	25.44	17.61	22.57	16.86	9.71	11.36										

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural State Highway

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Totals
DIVISION NO. Four (4)

		TYPE OF ROAD	MILEAGE TOTAL																			
NON SURFD	LOW TYPE SURFACES			FRANKLIN	JOHNSTON	NASH	VANCE	WAKE	WAYNE	WILSON												
A PRIMITIVE		00	1.0					1.0														
B UNIMPROVED		10																				
C GRADED AND DRAINED		20	3.8																			
D SOIL SURFACED —UNTREATED		30	14.1				1.4															
E GRAVEL OR STONE —UNTREATED		41-43	2.2			1.0	1.2															
TOTAL NON HARD SURFACED			21.1			1.0	2.6		1.0	2.7	13.8											
F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	455.0	104.9	99.9	114.7	22.5	59.1	29.5	24.4												
	F2 GRAVEL OR STONE	52-53	65.6	5.0	15.8	0.5		21.3	23.0													
	F3 WATERBOUND MACADAM	54																				
G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	9.0								9.0											
	G2 ON BITUMINOUS CONCRETE	61																				
	G3 ON SAND ASPHALT (HOT PREMIXT.)	61																				
	G4 ON BITUMINOUS SURFACE TREATMENT	61																				
	G5 ON OTHER TYPES THAN G1-2-3-4	61	2.6								2.6											
H BITUMINOUS PENETRATION		62																				
I BITUMINOUS CONCRETE I1		63	34.4			14.2																
SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	48.5	4.2	15.0		6.8															
	I3 ON BITUMINOUS CONCRETE	61	41.5																			
	I4 ON OTHER TYPES THAN I2 AND I3	61	74.3	2.4		1.0	8.7	34.7	16.5	11.0												
J PORTLAND CEMENT CONCRETE		70	218.7	21.7	20.8	38.1	9.0	78.2	26.6	24.3												
K BRICK		80																				
L BLOCK		90																				
M DUAL TYPE		64-9 74-9	4.5																			
N COMBINATION TYPE		64-9 74-9	17.4			8.3																
TOTAL HARD SURFACED			971.5	138.2	165.7	162.6	47.0	219.1	138.0	100.9												
TOTAL MILEAGE			992.6	138.2	166.7	165.2	47.0	220.1	140.7	114.7												

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal State Highway

SYSTEM

COMPLETED AS OF Jan. 1 **1949**

Jan. 1

1949

COUNTY _____ Total _____
DIVISION No. Four (4). _____

NON SURF'D	TYPE OF ROAD	MILEAGE TOTAL	MILEAGE BY COUNTIES							
			FRANKLIN	JOHNSTON	NASH	VANCE	WAKE	WAYNE	WILSON	
A PRIMITIVE		00								
B UNIMPROVED		10								
C GRADED AND DRAINED		20								
D SOIL SURFACED	—UNTREATED	30	0.05			0.05				
E GRAVEL OR STONE	—UNTREATED	41-43								
TOTAL NON HARD SURFACED		0.05			0.05					
F BITUMINOUS SURFACE	F ₁ TOPSOIL OR SAND-CLAY	51	16.92	5.25	0.81	5.23	0.54	2.28	1.19	1.62
TREATED	F ₂ GRAVEL OR STONE	52-53	1.27	0.57		0.43		0.27		
	F ₃ WATERBOUND MACADAM	54								
G MIXED BITUMINOUS —LOW TYPE	G ₁ ON P. C. CONCRETE	61								
	G ₂ ON BITUMINOUS CONCRETE	61								
	G ₃ ON SAND ASPHALT (HOT PREMIXT.)	61								
	G ₄ ON BITUMINOUS SURFACE TREATMENT	61								
	G ₅ ON OTHER TYPES THAN G ₁₋₂₋₃₋₄	61	0.19					0.19		
H BITUMINOUS PENETRATION		62								
I BITUMINOUS CONCRETE II		63	28.80	1.21	2.03	1.81	0.62	14.58	1.90	6.65
SAND ASPHALT	I ₂ ON P. C. CONCRETE	61	4.70		2.95	0.27	0.14	0.60		0.74
—HOT PREMIXED	I ₃ ON BITUMINOUS CONCRETE	61	10.45		1.05	1.93	0.56	1.25	5.46	0.20
	I ₄ ON OTHER TYPES THAN I ₂ AND I ₃	61	5.98		1.06		0.41	2.18	1.17	1.16
J PORTLAND CEMENT CONCRETE		70	32.52	3.03	3.29	8.17	2.33	7.84	4.18	3.68
K BRICK		80								
L BLOCK		90								
M DUAL TYPE	64-9 74-9	0.83					0.83			
N COMBINATION TYPE	64-9 74-9	1.67				0.14	1.53			
TOTAL HARD SURFACED		103.33	10.06	11.19	17.41	5.17	31.36	13.90	14.24	
TOTAL MILEAGE		103.38	10.06	11.19	17.46	5.17	31.36	13.90	14.24	

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural County Road

SYSTEM

COMPLETED AS OF

Jan. 1

19⁴⁹

COUNTY Totals
DIVISION NO. Four (4)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES								
			FRANKLIN	JOHNSTON	NASH	VANCE	WAKE	WAYNE	WILSON		
NON SURF'D	A PRIMITIVE	00	10.9	5.2	3.0	0.9	1.8				
	B UNIMPROVED	10	116.8	7.8	17.4	61.6	3.1	7.5	17.2	2.2	
	C GRADED AND DRAINED	20	1384.2	9.7	317.9	356.3	31.5	194.8	139.4	334.6	
	D SOIL SURFACED —UNTREATED	30	2378.8	432.1	395.4	129.7	190.1	719.0	448.4	64.1	
	E GRAVEL OR STONE —UNTREATED	41-43	318.7	1.6	236.9	21.7	4.2	14.2	15.1	25.0	
	TOTAL NON HARD SURFACED		4209.4	456.4	967.6	572.3	229.8	937.3	620.1	425.9	
LOW TYPE SURFACES	F BITUMINOUS SURFACE	F1 TOPSOIL OR SAND-CLAY	51	403.6	52.7	55.5	78.0	54.4	102.8	34.1	26.1
	TREATED	F2 GRAVEL OR STONE	52-53	36.4		9.5	5.9	2.9	5.0	6.0	7.1
		F3 WATERBOUND MACADAM	54								
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	0.9							0.9
		G2 ON BITUMINOUS CONCRETE	61	x							
		G3 ON SAND ASPHALT (Hot Premixt.)	61	x							
		G4 ON BITUMINOUS SURFACE TREATMENT	61	x							
		G5 ON OTHER TYPES THAN G1-2-3-4	61	7.1							
	H BITUMINOUS PENETRATION	62	1.9								
	I BITUMINOUS CONCRETE I1	63	3.5								
HIGH TYPE SURFACES	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61								
		I3 ON BITUMINOUS CONCRETE	61	1.5							
		I4 ON OTHER TYPES THAN I2 AND I3	61	140.6	27.9	11.9		33.7	34.7	32.4	
	J PORTLAND CEMENT CONCRETE	70	3.5					2.0	0.7	0.4	0.4
K BRICK		80									
L BLOCK		90									
M DUAL TYPE		64-9 74-9									
N COMBINATION TYPE		64-9 74-9									
TOTAL HARD SURFACED		599.0	52.7	92.9	102.3	59.3	145.0	76.7	70.1		
TOTAL MILEAGE		4808.4	509.1	1060.5	674.6	289.1	1082.3	696.8	496.0		

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal County Road SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Totals
DIVISION NO. Four (4)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES											
			FRANKLIN	JOHNSTON	NASH	VANCE	WAKE	WAYNE	WILSON					
NON SURF'D	A PRIMITIVE	00												
	B UNIMPROVED	10	0.92		0.17	0.19		0.36	0.20					
	C GRADED AND DRAINED	20	5.67		1.41	1.05		1.27	1.18	0.76				
	D SOIL SURFACED —UNTREATED	30	42.03	2.31	8.76	3.50	2.99	12.31	7.55	4.61				
	E GRAVEL OR STONE —UNTREATED	41-43	0.76		0.76									
	TOTAL NON HARD SURFACED		49.38	2.31	11.10	4.74	2.99	13.94	8.93	5.37				
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F ₁ TOPSOIL OR SAND-CLAY	51	29.62	1.00	5.06	6.32	1.89	10.38	1.40	3.57			
		F ₂ GRAVEL OR STONE	52-53	1.41			0.78	0.43			0.20			
		F ₃ WATERBOUND MACADAM	54											
	G MIXED BITUMINOUS —LOW TYPE	G ₁ ON P. C. CONCRETE	61	x										
		G ₂ ON BITUMINOUS CONCRETE	61	x										
		G ₃ ON SAND ASPHALT (Hot Premixt.)	61	0.08							0.08			
		G ₄ ON BITUMINOUS SURFACE TREATMENT	61	x										
		G ₅ ON OTHER TYPES THAN G ₁₋₂₋₃₋₄	61	0.23		0.23								
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION		62											
	I BITUMINOUS CONCRETE I ₁	I ₁	63	4.90	0.40	0.28	1.16	1.76	0.90	0.40				
	SAND ASPHALT —HOT PREMIXED	I ₂ ON P. C. CONCRETE	61											
		I ₃ ON BITUMINOUS CONCRETE	61	1.78		0.40	0.38		1.00					
		I ₄ ON OTHER TYPES THAN I ₂ AND I ₃	61	6.82	0.68	0.25	1.32	1.84	2.73					
	J PORTLAND CEMENT CONCRETE		70	2.23	0.10	0.22		1.47	0.20	0.24				
	K BRICK		80											
	L BLOCK		90											
	M DUAL TYPE		64-9											
	N COMBINATION TYPE		74-9											
TOTAL HARD SURFACED			47.07	1.10	6.36	8.01	4.11	14.93	5.34	7.22				
TOTAL MILEAGE			96.45	3.41	17.46	12.75	7.10	28.87	14.27	12.59				

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural State Highway

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY **Totals**
DIVISION No. **Five (5)**

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES							
			ALAMANCE	CASWELL	DURHAM	GRANVILLE	GUILFORD	ORANGE	PERSON	ROCKINGHAM
NON SURFD	A PRIMITIVE	00								
	B UNIMPROVED	10								
	C GRADED AND DRAINED	20								
LOW TYPE SURFACES	D SOIL SURFACED —UNTREATED	30								
	E GRAVEL OR STONE —UNTREATED	41-43	15.2				8.0		7.2	
	TOTAL NON HARD SURFACED		15.2				8.0		7.2	
	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY 51	365.9	57.3	35.9	17.3	45.0	58.2	50.4	46.3
		F2 GRAVEL OR STONE 52-53	108.9	10.6			10.7	10.7	10.9	11.4
		F3 WATERBOUND MACADAM 54								54.6
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE 61	x							
		G2 ON BITUMINOUS CONCRETE 61	25.5	4.0		5.5	7.9		6.4	1.7
		G3 ON SAND ASPHALT (HOT PREMIXT.) 61	x							
		G4 ON BITUMINOUS SURFACE TREATMENT 61	98.2	7.1	44.2	9.7		14.8	10.0	12.4
		G5 ON OTHER TYPES THAN G1-2-3-4 61	x							
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION	62	7.7	0.4				7.3		
	I BITUMINOUS CONCRETE I1	63	20.9			0.4	4.3	14.8		1.4
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE 61	26.2	9.6		8.2	3.2	5.2		
		I3 ON BITUMINOUS CONCRETE 61	20.4					20.4		
		I4 ON OTHER TYPES THAN I2 AND I3 61	2.5		0.6					1.9
	J PORTLAND CEMENT CONCRETE	70	259.5	31.9	19.5	41.4	21.6	50.4	21.7	24.1
	K BRICK	80								
	L BLOCK	90								
	M DUAL TYPE	64-9 74-9	6.6				6.6			
	N COMBINATION TYPE	64-9 74-9								
TOTAL HARD SURFACED		942.3	120.9	100.2	82.5	92.7	188.4	89.4	91.8	176.4
TOTAL MILEAGE		957.5	120.9	100.2	82.5	92.7	196.4	89.4	91.8	183.6

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal State Highway

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Total
DIVISION NO. Five (5)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES							
			ALAMANCE	CASWELL	DURHAM	GRANVILLE	GUILFORD	ORANGE	PERSON	ROCKINGHAM
NON SURFD	A PRIMITIVE	00								
	B UNIMPROVED	10								
	C GRADED AND DRAINED	20								
	D SOIL SURFACED —UNTREATED	30								
	E GRAVEL OR STONE —UNTREATED	41-43								
	TOTAL NON HARD SURFACED									
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F ₁ TOPSOIL OR SAND-CLAY 51	5.55		0.92	0.51	2.14	0.29	0.37	1.32
		F ₂ GRAVEL OR STONE 52-53	4.51	0.15			0.07	0.30	0.69	3.30
		F ₃ WATERBOUND MACADAM 54								
	G MIXED BITUMINOUS —LOW TYPE	G ₁ ON P. C. CONCRETE 61	x							
		G ₂ ON BITUMINOUS CONCRETE 61	x	2.15	0.91			1.09		0.15
		G ₃ ON SAND ASPHALT (HOT PREMIXT.) 61	x							
		G ₄ ON BITUMINOUS SURFACE TREATMENT 61	x	0.38						0.38
		G ₅ ON OTHER TYPES THAN G ₁₋₂₋₃₋₄ 61	x							
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION 62									
	I BITUMINOUS CONCRETE I ₁ 63	42.20	7.47		10.49	2.49	16.51	0.88	1.25	3.11
	SAND ASPHALT —HOT PREMIXED	I ₂ ON P. C. CONCRETE 61	5.20	1.99		1.04		0.02		2.15
		I ₃ ON BITUMINOUS CONCRETE 61	12.06	0.09		0.45	11.52			
		I ₄ ON OTHER TYPES THAN I ₂ AND I ₃ 61	1.42			1.42				
	J PORTLAND CEMENT CONCRETE 70	31.55	6.01		3.04	2.53	3.85	4.00	4.99	7.13
	K BRICK 80	0.27						0.27		
	L BLOCK 90									
	M DUAL TYPE 64-9 74-9	2.24	0.32				1.92			
	N COMBINATION TYPE 64-9 74-9									
TOTAL HARD SURFACED		107.53	16.94	0.92	16.95	8.32	34.47	5.62	7.30	17.01
TOTAL MILEAGE		107.53	16.94	0.92	16.95	8.32	34.47	5.62	7.30	17.01

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural County Road

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Totals
DIVISION NO. Five (5)

		TYPE OF ROAD	MILEAGE TOTAL	MILEAGE BY COUNTIES													
NON SURFD				ALAMANCE	CASWELL	DURHAM	GRANVILLE	GUILFORD	ORANGE	PERSON							
LOW TYPE SURFACES	A PRIMITIVE	00	19.5	1.1		0.1	3.4	2.4	0.3	11.3	0.9						
	B UNIMPROVED	10	157.8	24.7	13.4	2.6	14.5	34.3	21.3	26.0	21.0						
	C GRADED AND DRAINED	20	2198.0	274.0	207.0	220.1	338.4	483.6	262.3	228.9	183.7						
	D SOIL SURFACED —UNTREATED	30	781.6	160.9	114.8	77.7	40.8	64.1	80.0	138.2	105.1						
	E GRAVEL OR STONE —UNTREATED	41-43	1152.1	104.2	45.2	83.8	101.5	314.8	137.2	22.5	342.9						
	TOTAL NON HARD SURFACED			4309.0	564.9	380.4	384.3	498.6	899.2	501.1	426.9	653.6					
	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	258.5	31.4	47.9	50.6	21.1	34.6	33.8	9.1	30.0					
		F2 GRAVEL OR STONE	52-53	223.0	19.4	14.3	11.4	4.2	127.6	8.1	8.5	29.5					
	G MIXED BITUMINOUS —LOW TYPE	F3 WATERBOUND MACADAM	54	3.2			3.2										
		G1 ON P. C. CONCRETE	61	x	1.5		1.5										
		G2 ON BITUMINOUS CONCRETE	61	x													
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61	x													
		G4 ON BITUMINOUS SURFACE TREATMENT	61	x	0.9		0.9										
HIGH TYPE SURFACES		G5 ON OTHER TYPES THAN G1-2-3-4	61	x													
H BITUMINOUS PENETRATION	62	3.3					3.3										
I BITUMINOUS CONCRETE I1	63	13.1			0.6		12.3		0.2								
SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	0.5				0.5										
	I3 ON BITUMINOUS CONCRETE	61															
	I4 ON OTHER TYPES THAN I2 AND I3	61	42.1	0.1	12.5	22.5	3.9	2.3	0.8								
J PORTLAND CEMENT CONCRETE	70	35.0	2.4		6.5		21.9		4.2								
K BRICK	80																
L BLOCK	90																
M DUAL TYPE	64-9 74-9																
N COMBINATION TYPE	64-9 74-9																
TOTAL HARD SURFACED			581.1	53.3	62.2	87.2	47.8	204.1	41.9	19.9	64.7						
TOTAL MILEAGE			4890.1	618.2	442.6	471.5	546.4	1103.3	543.0	446.8	718.3						

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal County Road

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Totals
DIVISION NO. Five (5)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES													
			ALAMANCE	CASWELL	DURHAM	GRANVILLE	GUILFORD	ORANGE	PERSON	ROCKINGHAM						
NON SURFD	A PRIMITIVE	00														
	B UNIMPROVED	10	0.84	0.25			0.27			0.32						
	C GRADED AND DRAINED	20	21.21	4.15		3.47	4.78	5.81	1.18	1.58	0.24					
LOW TYPE SURFACES	D SOIL SURFACED —UNTREATED	30	8.50	3.52			0.30	2.34	1.45		0.89					
	E GRAVEL OR STONE —UNTREATED	41-43	10.01	3.85	0.24	0.06		3.05	0.93		1.88					
	TOTAL NON HARD SURFACED		40.56	11.77	0.24	3.53	5.35	11.20	3.56	1.90	3.01					
	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	23.39	5.18		2.27	3.30	4.21	3.84	4.59					
		F2 GRAVEL OR STONE	52-53	12.40	1.52	0.24		0.40	4.23	0.94	1.30	3.77				
		F3 WATERBOUND MACADAM	54													
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	x												
		G2 ON BITUMINOUS CONCRETE	61	x												
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61	x												
		G4 ON BITUMINOUS SURFACE TREATMENT	61	0.59								0.59				
		G5 ON OTHER TYPES THAN G1-2-3-4	61	x												
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION	62														
	I BITUMINOUS CONCRETE I1	63	34.11	1.05		3.84	0.31	25.18	0.87	0.23	2.63					
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61													
		I3 ON BITUMINOUS CONCRETE	61	1.51			0.78		0.73							
		I4 ON OTHER TYPES THAN I2 AND I3	61	3.76	0.86		1.97		0.93							
	J PORTLAND CEMENT CONCRETE	70	8.25	1.24		1.76		4.11	0.07		1.07					
	K BRICK	80	0.11								0.11					
	L BLOCK	90														
	M DUAL TYPE	64-9 74-9	0.93	0.76					0.17							
	N COMBINATION TYPE	64-9 74-9														
TOTAL HARD SURFACED		85.05	10.61	0.24	10.62	4.01	40.26	5.72	1.53	12.06						
TOTAL MILEAGE		125.61	22.38	0.48	14.15	9.36	51.46	9.28	3.43	15.07						

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural State Highway

SYSTEM

COMPLETED AS OF

Jan. 1 1949

COUNTY Totals
DIVISION NO. Six (6)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES								
			CHATHAM	DAVIDSON	HARNETT	HOKE	LEE	MOORE	RANDOLPH	ROBESON	SCOTLAND
NON SURFD	A PRIMITIVE	00									
	B UNIMPROVED	10									
	C GRADED AND DRAINED	20	6.1	6.1							
LOW TYPE SURFACES	D SOIL SURFACED —UNTREATED	30	27.4	8.2	8.9		2.0	8.3			
	E GRAVEL OR STONE —UNTREATED	41-43	45.8	5.8			40.0				
	TOTAL NON HARD SURFACED		79.3	20.1	8.9		2.0	40.0	8.3		
	F BITUMINOUS SURFACE TREATED	51	411.5	32.8	89.9	30.3	7.1	8.2	67.4	74.4	94.8
	F1 TOPSOIL OR SAND-CLAY										6.6
	F2 GRAVEL OR STONE	52-53	92.8		21.3	43.8		10.9	4.5	4.9	7.4
	F3 WATERBOUND MACADAM	54									
	G MIXED BITUMINOUS —LOW TYPE										
	G1 ON P. C. CONCRETE	61	x	4.3							
	G2 ON BITUMINOUS CONCRETE	61	x								
HIGH TYPE SURFACES	G3 ON SAND ASPHALT (HOT PREMIXT.)	61	x	47.9							
	G4 ON BITUMINOUS SURFACE TREATMENT	61	x								
	G5 ON OTHER TYPES THAN G1-2-3-4	61	x	12.6							
	H BITUMINOUS PENETRATION	62									
	I BITUMINOUS CONCRETE I1	63	14.2		14.2						
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	18.1		7.0	5.5				5.6
		I3 ON BITUMINOUS CONCRETE	61	17.0							
		I4 ON OTHER TYPES THAN I2 AND I3	61	118.7		8.6	23.3		25.5	7.2	38.1
	J PORTLAND CEMENT CONCRETE	70	266.6	50.6	13.1	32.1	3.6	22.4	31.4	50.0	53.6
	K BRICK	80									
	L BLOCK	90									
	M DUAL TYPE	64-9 74-9									
	N COMBINATION TYPE	64-9 74-9	29.1	9.4	11.7			5.9	1.1	1.0	
TOTAL HARD SURFACED		1032.8	92.8	151.6	120.4	50.8	47.4	129.9	140.8	234.2	64.9
TOTAL MILEAGE		1112.1	112.9	151.6	129.3	50.8	47.4	131.9	180.8	242.5	64.9

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal State Highway

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Total
DIVISION No. Six (6)

		MILEAGE TOTAL	MILEAGE BY COUNTIES															
TYPE OF ROAD			CHATHAM	DAVIDSON	HARNETT	HOKE	LEE	MOORE	RANDOLPH	ROBESON	SCOTLAND							
NON SURFD	A PRIMITIVE	00																
	B UNIMPROVED	10																
	C GRADED AND DRAINED	20	0.88	0.88														
LOW TYPE SURFACES	D SOIL SURFACED —UNTREATED	30	1.16	0.60	0.56													
	E GRAVEL OR STONE —UNTREATED	41-43	0.87															
	TOTAL NON HARD SURFACED		2.91	1.48	0.56													
	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY 51	36.37	1.78	1.01	5.93	2.04	3.18	6.42	9.11	5.96	0.94						
		F2 GRAVEL OR STONE 52-53	1.63		1.19							0.44						
		F3 WATERBOUND MACADAM 54																
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE 61	x															
		G2 ON BITUMINOUS CONCRETE 61	x															
		G3 ON SAND ASPHALT (HOT PREMIXT.) 61	x	1.38			0.46					0.92						
		G4 ON BITUMINOUS SURFACE TREATMENT 61	x															
HIGH TYPE SURFACES	G5 ON OTHER TYPES THAN G1-2-3-4 61	1.74										1.74						
	H BITUMINOUS PENETRATION 62																	
	I BITUMINOUS CONCRETE I1	63	14.94	1.95	7.68	1.14		1.63		2.54								
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE 61	1.54		0.94		0.60											
		I3 ON BITUMINOUS CONCRETE 61	0.53		0.24							0.29						
		I4 ON OTHER TYPES THAN I2 AND I3 61	24.04				2.40		8.92		7.69	5.03						
	J PORTLAND CEMENT CONCRETE 70	32.25	4.17	2.75	3.44			2.63	3.63	8.28	5.02	2.33						
	K BRICK 80																	
	L BLOCK 90																	
	M DUAL TYPE 64-9 74-9																	
	N COMBINATION TYPE 64-9 74-9	2.83	0.87					0.22	0.90	0.55	0.29							
TOTAL HARD SURFACED		117.25	8.77	13.81	10.51	5.50	7.66	19.87	20.48	22.35	8.30							
TOTAL MILEAGE		120.16	10.25	13.81	11.07	5.50	7.66	19.87	21.35	22.35	8.30							

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural County Road

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Totals
DIVISION NO. Six (6)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES											
			CHATHAM	DAVIDSON	HARNETT	HOKE	LEE	MOORE	RANDOLPH	ROBESON	SCOTLAND			
NON SURFD	A PRIMITIVE	00	49.7	3.2	3.8	0.5	4.4	1.0	10.7	26.1				
	B UNIMPROVED	10	263.4	42.5	12.1	37.5	5.6	4.6	25.5	81.9	35.5			
	C GRADED AND DRAINED	20	2590.4	434.6	84.0	445.9	61.7	58.8	199.3	362.8	826.0	117.3		
	D SOIL SURFACED —UNTREATED	30	2152.4	180.8	561.9	53.6	234.4	59.4	349.6	501.4	40.8	170.5		
	E GRAVEL OR STONE —UNTREATED	41-43	576.9	41.6	116.9	84.9		154.3	16.0	98.3	64.9			
TOTAL NON HARD SURFACED			5632.8	702.7	778.7	622.4	306.1	277.1	591.4	991.4	1039.7	323.3		
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	477.7	41.0	70.3	57.8	32.3	22.0	50.5	58.2	89.0	56.6	
		F2 GRAVEL OR STONE	52-53	51.2	5.3	21.2	4.1		15.6	0.1	0.5	4.4		
		F3 WATERBOUND MACADAM	54											
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61											
		G2 ON BITUMINOUS CONCRETE	61											
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61											
		G4 ON BITUMINOUS SURFACE TREATMENT	61											
		G5 ON OTHER TYPES THAN G1-2-3-4	61											
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION	62												
	I BITUMINOUS CONCRETE I1	63	9.0		9.0									
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61											
		I3 ON BITUMINOUS CONCRETE	61											
		I4 ON OTHER TYPES THAN I2 AND I3	61	17.1			1.2	1.4		1.3	0.8	7.1	5.3	
	J PORTLAND CEMENT CONCRETE	70	9.0		9.0									
	K BRICK	80												
	L BLOCK	90												
	M DUAL TYPE	64-9 74-9												
	N COMBINATION TYPE	64-9 74-9												
TOTAL HARD SURFACED			564.0	46.3	109.5	63.1	33.7	37.6	51.9	59.5	100.5	61.9		
TOTAL MILEAGE			6196.8	749.0	888.2	685.5	339.8	314.7	643.3	1050.9	1140.2	385.2		

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

COUNTY Totals
DIVISION NO. Six (6)

Municipal County Road

SYSTEM

COMPLETED AS OF Jan. 1 1949

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES							
			CHATHAM	DAVIDSON	HARNETT	HOKE	LEE	MOORE	RANDOLPH	SCOTT
NON SURF'D	A PRIMITIVE	00	0.10					0.10		
	B UNIMPROVED	10	4.22		0.50	0.40	0.44	1.00	0.78	0.38
	C GRADED AND DRAINED	20	14.75	2.07		1.05	1.36	2.72	1.98	5.26
	D SOIL SURFACED —UNTREATED	30	50.62	1.89	4.97	3.59	0.89	12.64	11.32	6.83
	E GRAVEL OR STONE —UNTREATED	41-43	2.85	0.25	0.19	0.41	0.54	1.15	0.10	0.21
TOTAL NON HARD SURFACED		72.54	4.21	5.66	5.05	1.29	5.96	17.51	14.28	12.68
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	56.68	3.31	7.32	5.67	1.17	5.00	10.18
		F2 GRAVEL OR STONE	52-53	2.85	0.52			2.03	0.30	8.55
		F3 WATERBOUND MACADAM	54							4.73
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61							
		G2 ON BITUMINOUS CONCRETE	61							
HIGH TYPE SURFACES		G3 ON SAND ASPHALT (HOT PREMIXT.)	61							
		G4 ON BITUMINOUS SURFACE TREATMENT	61							
		G5 ON OTHER TYPES THAN G1-2-3-4	61							
	H BITUMINOUS PENETRATION		62							
	I BITUMINOUS CONCRETE I1		63	1.98	0.40	1.00		0.58		
SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE		61	0.30		0.30				
	I3 ON BITUMINOUS CONCRETE		61							
	I4 ON OTHER TYPES THAN I2 AND I3		61	5.03	1.30	0.10	0.25	0.80	0.90	1.68
J PORTLAND CEMENT CONCRETE			70	4.31	1.30	0.25		0.19	0.95	1.62
K BRICK			80							
L BLOCK			90							
M DUAL TYPE			64-9							
N COMBINATION TYPE			74-9							
			64-9							
			74-9							
TOTAL HARD SURFACED		71.15	5.53	10.17	5.77	1.42	7.80	11.28	12.60	11.85
TOTAL MILEAGE		143.69	9.74	15.83	10.82	2.71	13.76	28.79	26.88	24.53
										10.63

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural State Highway

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Totals
DIVISION NO. Seven (7)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES						
			ANSON	CABARRUS	MECKLENBURG	MONTGOMERY	RICHMOND	ROWAN	STANLY
NON SURF'D	A PRIMITIVE	00							
	B UNIMPROVED	10							
	C GRADED AND DRAINED	20	5.9	5.9					
LOW TYPE SURFACES	D SOIL SURFACED —UNTREATED	30	55.5	5.0	3.2	4.6		6.8	10.1
	E GRAVEL OR STONE —UNTREATED	41-43	32.3	4.4		2.3	3.4		22.2
	TOTAL NON HARD SURFACED		93.7	15.3	3.2	6.9	3.4	6.8	10.1
	F BITUMINOUS SURFACE TREATED	51	233.5	46.8	2.8	21.0	37.2	35.7	18.3
		F2 GRAVEL OR STONE	52-53	61.9	6.3	8.0	4.1	19.6	6.0
		F3 WATERBOUND MACADAM	54						5.0
HIGH TYPE SURFACES	G MIXED BITUMINOUS —LOW TYPE	61							
		G1 ON P. C. CONCRETE	61						
		G2 ON BITUMINOUS CONCRETE	61	0.1					0.1
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61	5.9					
		G4 ON BITUMINOUS SURFACE TREATMENT	61	10.9	4.2	3.1	3.6		
		G5 ON OTHER TYPES THAN G1-2-3-4	61						
	H BITUMINOUS PENETRATION	62	2.2		2.2				
	I BITUMINOUS CONCRETE I1	63	120.4	0.4	10.1	52.3	4.6	1.8	11.1
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	18.3	4.5	3.6		4.2	5.3
		I3 ON BITUMINOUS CONCRETE	61	8.4	0.9	0.5		7.0	
		I4 ON OTHER TYPES THAN I2 AND I3	61	105.8	24.1	7.6	48.2	9.5	16.4
	J PORTLAND CEMENT CONCRETE	70	247.4	42.0	32.5	44.5	32.6	3.4	42.6
	K BRICK	80							
	L BLOCK	90							
	M DUAL TYPE	64-9						0.9	1.4
		74-9	2.3						
	N COMBINATION TYPE	64-9						0.2	0.1
		74-9							
	TOTAL HARD SURFACED		817.4	99.7	82.9	138.9	95.5	102.2	101.4
	TOTAL MILEAGE			911.1	115.0	86.1	145.8	98.9	102.2
								108.2	95.4
									159.5

**NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD**

Municipal State Highway

SYSTEM

COMPLETED AS OF

Jan. 1 1949

COUNTY _____ Total _____
VISION NO. Seven (7)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES														
NON SURFD	A PRIMITIVE	00	ANSON	CABARRUS	MECKLENBURG	RICHMOND	ROWAN	STANLY	UNION								
	B UNIMPROVED	10															
C GRADED AND DRAINED		20															
D SOIL SURFACED	—UNTREATED	30	0.12							0.12							
E GRAVEL OR STONE	—UNTREATED	41-43	0.54	0.54													
TOTAL NON HARD SURFACED		0.66	0.54							0.12							
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	51	12.48	3.08	0.39	0.53	2.32	1.84	0.47	1.74	2.11						
	F1 TOPSOIL OR SAND-CLAY	51															
G MIXED BITUMINOUS —LOW TYPE	F2 GRAVEL OR STONE	52-53	3.03	0.32			1.98		0.20	0.53							
	F3 WATERBOUND MACADAM	54															
	G1 ON P. C. CONCRETE	61															
	G2 ON BITUMINOUS CONCRETE	61	1.58				0.92				0.66						
	G3 ON SAND ASPHALT (HOT PREMIXT.)	61															
HIGH TYPE SURFACES	G4 ON BITUMINOUS SURFACE TREATMENT	61	1.26	1.09			0.17										
	G5 ON OTHER TYPES THAN G1-2-3-4	61															
	H BITUMINOUS PENETRATION	62	1.09			1.09											
	I BITUMINOUS CONCRETE I1	63	43.40	1.90	3.25	17.36	3.88	2.18	3.62	5.35	5.86						
I2 ON P. C. CONCRETE	SAND ASPHALT —HOT PREMIXED	61	4.65	0.04		2.21		0.34	2.06								
	I3 ON BITUMINOUS CONCRETE	61	12.56	0.42	0.93	4.76			5.75	0.70							
	I4 ON OTHER TYPES THAN I2 AND I3	61	9.07	0.79	0.34	0.56	0.80	4.39	1.45		0.74						
J PORTLAND CEMENT CONCRETE		70	32.32	6.29	1.17	6.63	4.10	1.16	4.57	5.69	2.71						
K BRICK		80															
L BLOCK		90	0.11							0.11							
M DUAL TYPE		64-9 74-9	7.90	0.30	0.94	5.10			1.56								
N COMBINATION TYPE		64-9 74-9	2.01		0.68	1.33											
TOTAL HARD SURFACED		131.46	13.91	8.02	40.66	13.08	9.91	19.68	14.01	12.19							
TOTAL MILEAGE		132.12	14.45	8.02	40.66	13.08	9.91	19.68	14.13	12.19							

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural County Road

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Total s
DIVISION NO. Seven (7)

		MILEAGE TOTAL	MILEAGE BY COUNTIES												
TYPE OF ROAD			MECKLENBURG	ANSON	CABARRUS	MONTGOMERY	RICHMOND	ROWAN	STANLY	UNION					
NON SURF'D	A PRIMITIVE	00	43.2	2.5	0.3	8.3	6.6	3.4	0.2	7.9	14.0				
	B UNIMPROVED	10	233.7	9.8	62.1	29.4	18.4	21.5	27.2	38.5	26.8				
	C GRADED AND DRAINED	20	1272.0	81.7	169.1	148.3	97.5	57.9	298.4	176.4	242.7				
LOW TYPE SURFACES	D SOIL SURFACED —UNTREATED	30	2121.1	318.3	280.9	157.2	210.8	210.0	305.3	289.8	348.8				
	E GRAVEL OR STONE —UNTREATED	41-43	766.0	133.4	3.2	187.5	51.1	113.7	15.3	14.6	247.2				
	TOTAL NON HARD SURFACED		4436.0	545.7	515.6	530.7	384.4	406.5	646.4	527.2	879.5				
	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	373.4	44.0	74.7	78.5	23.3	27.9	73.3	26.8	24.9			
		F2 GRAVEL OR STONE	52-53	166.8	8.6	8.4	87.0	2.5	4.4	24.2	19.9	11.8			
		F3 WATERBOUND MACADAM	54	22.1	3.9	0.3	17.9								
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	x											
		G2 ON BITUMINOUS CONCRETE	61	0.7							0.7				
		G3 ON SAND ASPHALT (Hot Premixt.)	61	x											
		G4 ON BITUMINOUS SURFACE TREATMENT	61	x	1.8		1.8								
		G5 ON OTHER TYPES THAN G1-2-3-4	61	x	1.6				1.6						
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION	62	1.8			0.2		1.1	0.5						
	I BITUMINOUS CONCRETE I1	63	19.6	11.4		2.7		3.8	0.9		0.8				
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	1.5		1.5									
		I3 ON BITUMINOUS CONCRETE	61	5.0		5.0									
		I4 ON OTHER TYPES THAN I2 AND I3	61	103.1		11.7		55.6	34.1		1.7				
	J PORTLAND CEMENT CONCRETE	70	17.2	1.1	2.7	1.6		4.3	1.2	6.3					
	K BRICK	80													
	L BLOCK	90													
	M DUAL TYPE	64-9													
	N COMBINATION TYPE	74-9													
TOTAL HARD SURFACED			714.6	69.0	86.1	207.9	25.8	94.4	138.0	47.9	45.5				
TOTAL MILEAGE			5150.6	614.7	601.7	738.6	410.2	500.9	784.4	575.1	925.0				

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal County Road

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Totals
DIVISION NO. Seven (7)

		MILEAGE TOTAL	MILEAGE BY COUNTIES												
			MECKLENBURG	ANSON	CABARRUS	MONTGOMERY	RICHMOND	ROWAN	STANLY						
NON SURF'D	A PRIMITIVE	00													
	B UNIMPROVED	10	2.98	0.04		0.64	0.30	0.20	1.80						
	C GRADED AND DRAINED	20	9.67			4.23		1.24	0.88	1.85	1.47				
	D SOIL SURFACED —UNTREATED	30	34.59	7.24	0.30	0.25	1.81	4.99	9.66	2.90	7.44				
	E GRAVEL OR STONE —UNTREATED	41-43	6.66	0.18		5.30					1.18				
	TOTAL NON HARD SURFACED		53.90	7.46	0.30	9.78	2.45	6.53	10.74	6.55	10.09				
	F BITUMINOUS SURFACE	F1 TOPSOIL OR SAND-CLAY	51	42.77	7.17	0.37	1.13	4.09	6.97	10.39	6.76	5.89			
	TREATED	F2 GRAVEL OR STONE	52-53	9.98	1.22		4.79				0.61	3.36			
		F3 WATERBOUND MACADAM	54												
		G1 ON P. C. CONCRETE	61												
		G2 ON BITUMINOUS CONCRETE	61												
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61												
LOW TYPE SURFACES	G MIXED BITUMINOUS —LOW TYPE	G4 ON BITUMINOUS SURFACE TREATMENT	61												
		G5 ON OTHER TYPES THAN G1-2-3-4	61												
		H BITUMINOUS PENETRATION	62	5.47		1.38				4.09					
		I BITUMINOUS CONCRETE I1	63	17.60	2.47	1.94	3.50	0.87		4.23	0.90	3.69			
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	0.45		0.25		0.20							
		I3 ON BITUMINOUS CONCRETE	61	7.68		1.03	5.25		1.40						
		I4 ON OTHER TYPES THAN I2 AND I3	61	4.66			2.66		1.33		0.67				
	J PORTLAND CEMENT CONCRETE	70	3.50	1.73		0.72			0.10		0.95				
	K BRICK	80													
	L BLOCK	90													
	M DUAL TYPE	64-9 74-9	0.12							0.12					
	N COMBINATION TYPE	64-9 74-9													
TOTAL HARD SURFACED		92.63	12.59	3.34	20.08	4.96	9.90	18.93	8.27	14.56					
TOTAL MILEAGE		146.53	20.05	3.64	29.86	7.41	16.43	29.67	14.82	28.65					

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural State Highway

SYSTEM

COMPLETED AS OF Jan. 1 19⁴⁹

COUNTY Totals
DIVISION No. Eight (8)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES								
			ALLEGHANY	ASHE	CALDWELL	DAVIE	FORSYTH	STOKES	BURRY	WATAUGA	WILKES
A	PRIMITIVE	00									
B	UNIMPROVED	10	2.4			2.4					
C	GRADED AND DRAINED	20	6.4							6.4	
D	SOIL SURFACED —UNTREATED	30	56.4	11.2		13.3	5.4	26.5			
E	GRAVEL OR STONE —UNTREATED	41-43	31.0	2.2		12.1			2.9	13.8	
TOTAL NON HARD SURFACED		96.2	13.4		14.5	13.3	5.4	26.5	9.3	13.8	
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	263.2		24.0	20.6	39.6	48.0	66.1	31.2
		F2 GRAVEL OR STONE	52-53	460.3	52.5	90.1	54.4	19.6	21.6	35.2	31.4
		F3 WATERBOUND MACADAM	54	4.7	4.7				60.1	80.5	14.9
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	9.5		4.1		5.4			
		G2 ON BITUMINOUS CONCRETE	61								
HIGH TYPE SURFACES		G3 ON SAND ASPHALT (HOT PREMIXT.)	61								
		G4 ON BITUMINOUS SURFACE TREATMENT	61								
		G5 ON OTHER TYPES THAN G1-2-3-4	61								
	H BITUMINOUS PENETRATION	62									
	I BITUMINOUS CONCRETE I1	63	7.2	0.1				7.1			
SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61									
	I3 ON BITUMINOUS CONCRETE	61									
	I4 ON OTHER TYPES THAN I2 AND I3	61									
J	PORLTAND CEMENT CONCRETE	70	183.6		11.5	24.1	71.6	28.5	3.5	6.4	17.3
K	BRICK	80									
L	BLOCK	90									
M	DUAL TYPE	64-9 74-9									
N	COMBINATION TYPE	64-9 74-9	9.1						9.1		
TOTAL HARD SURFACED		942.6	57.3	94.2	89.9	69.7	139.9	111.7	110.1	66.5	129.0
TOTAL MILEAGE		1038.8	70.7	94.2	104.4	83.0	145.3	138.2	110.1	75.8	142.8
											74.3

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal State Highway

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Total
DIVISION NO. Eight (8)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES								
			ALLEGHANY	ASHE	CALDWELL	DAVIE	FORSYTH	STOKES	SURRY	WATAUGA	WILKES
NON SURF'D	A PRIMITIVE	00									
	B UNIMPROVED	10	1.54			1.54					
	C GRADED AND DRAINED	20									
LOW TYPE SURFACES	D SOIL SURFACED —UNTREATED	30	1.38				0.19		1.19		
	E GRAVEL OR STONE —UNTREATED	41-43									
	TOTAL NON HARD SURFACED		2.92			1.54	0.19		1.19		
	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	6.79		0.87	0.99	0.86	0.81	1.61	1.65
		F2 GRAVEL OR STONE	52-53	28.65	3.19	5.10	2.46	1.41	1.21	0.03	2.46
		F3 WATERBOUND MACADAM	54							5.63	3.34
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	1.25		1.00		0.25			
		G2 ON BITUMINOUS CONCRETE	61								
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61								
		G4 ON BITUMINOUS SURFACE TREATMENT	61								
		G5 ON OTHER TYPES THAN G1-2-3-4	61								
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION	62									
	I BITUMINOUS CONCRETE I1	63	19.55			1.91		15.38	0.64	1.58	0.04
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	0.72				0.72			
		I3 ON BITUMINOUS CONCRETE	61	1.06				0.71	0.35		
		I4 ON OTHER TYPES THAN I2 AND I3	61								
	J PORTLAND CEMENT CONCRETE	70	25.23		0.95	3.48	2.80	3.73	3.06	3.80	1.13
	K BRICK	80	0.43					0.43			
	L BLOCK	90									
	M DUAL TYPE	64-9 74-9	2.93		0.48	0.16		2.29			
	N COMBINATION TYPE	64-9 74-9	0.33					0.11	0.22		
TOTAL HARD SURFACED		86.94	3.19	7.53	8.88	5.45	25.44	3.90	9.08	6.76	8.63
TOTAL MILEAGE		89.86	3.19	7.53	10.42	5.64	25.44	5.09	9.08	6.76	8.63

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural County Road

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Totals
DIVISION NO. Eight (8)

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES													
			ALLEGHANY	ASHE	CALDWELL	DAVIE	FORSYTH	STOKES	SURRY	WATAUGA	WILKES	YADKIN				
NON SURF'D	A PRIMITIVE	00	163.4	8.7	102.7	14.0	2.0	2.1	1.4	10.8	13.5	5.3	2.9			
	B UNIMPROVED	10	913.1	69.3	183.5	33.3	4.2	27.4	154.2	64.7	189.1	130.2	57.2			
	C GRADED AND DRAINED	20	1550.1	122.7	58.0	147.2	78.7	151.9	140.0	223.0	17.2	426.3	185.1			
LOW TYPE SURFACES	D SOIL SURFACED —UNTREATED	30	1088.2	0.4	44.9	78.6	175.9	266.5	307.7	64.0	47.6	102.6				
	E GRAVEL OR STONE —UNTREATED	41-43	1660.2	146.9	215.3	142.9	47.8	107.6	97.7	294.2	161.3	334.3	112.2			
	TOTAL NON HARD SURFACED			5375.0	348.0	604.4	416.0	308.6	555.5	701.0	656.7	381.1	943.7	460.0		
	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	210.1		0.2	25.5	12.2	90.2	21.7	47.2	2.8	2.5	7.8		
		F2 GRAVEL OR STONE	52-53	205.2		8.6	15.3	20.3	5.8	59.7	2.4	22.8	13.4	38.0	18.9	
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	x	1.2				1.2							
		G2 ON BITUMINOUS CONCRETE	61	x												
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61	x												
		G4 ON BITUMINOUS SURFACE TREATMENT	61	x												
		G5 ON OTHER TYPES THAN G1-2-3-4	61	x												
HIGH TYPE SURFACES	H BITUMINOUS PENETRATION	62														
	I BITUMINOUS CONCRETE I1	63	7.7	1.5				4.3			1.9					
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	4.4					4.4							
		I3 ON BITUMINOUS CONCRETE	61													
		I4 ON OTHER TYPES THAN I2 AND I3	61													
	J PORTLAND CEMENT CONCRETE	70	17.7				17.3		0.4							
	K BRICK	80														
	L BLOCK	90														
	M DUAL TYPE	64-9 74-9														
	N COMBINATION TYPE	64-9 74-9	0.7						0.7							
	TOTAL HARD SURFACED			447.0	10.1	15.5	45.8	18.0	172.7	24.1	75.5	16.2	42.4	26.7		
	TOTAL MILEAGE			5822.0	358.1	619.9	461.8	326.6	728.2	725.1	732.2	397.3	986.1	486.7		

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal County Road

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Totals
DIVISION NO. Eight (8)

		TYPE OF ROAD	MILEAGE TOTAL	MILEAGE BY COUNTIES									
NON SURFD	LOW TYPE SURFACES			ALLEGHANY	ASHE	CALDWELL	DAVIE	FORSYTH	STOKES	SURRY	WATAUGA	WILKES	YADKIN
		A PRIMITIVE	00	0.51		0.11	0.40						
		B UNIMPROVED	10	0.97	0.05	0.43	0.28					0.21	
		C GRADED AND DRAINED	20	8.49	0.03	0.34	0.33	0.93	0.87	0.88	0.30	2.31	1.70
		D SOIL SURFACED —UNTREATED	30	10.63			1.33	0.50	3.03	1.80	0.28		3.69
		E GRAVEL OR STONE —UNTREATED	41-43	13.76	1.80	1.83	3.73	0.26	0.13	0.75	2.79	1.12	1.35
		TOTAL NON HARD SURFACED			34.36	1.88	2.71	6.07	1.69	4.03	2.68	1.33	5.10
	TREATED	F BITUMINOUS SURFACE	F1 TOPSOIL OR SAND-CLAY	51	12.77	0.30		3.59	1.77	2.44	0.40	1.42	1.59
			F2 GRAVEL OR STONE	52-53	12.47		1.68	2.72	0.36	0.86		3.26	0.20
			F3 WATERBOUND MACADAM	54								1.15	2.24
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	0.46						0.46			
		G2 ON BITUMINOUS CONCRETE	61	x									
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61	x									
		G4 ON BITUMINOUS SURFACE TREATMENT	61	x									
		G5 ON OTHER TYPES THAN G1-2-3-4	61	x									
	H BITUMINOUS PENETRATION	62	0.20			0.20							
	I BITUMINOUS CONCRETE I1	63	13.68			0.40		12.90		0.38			
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	0.57					0.57				
		I3 ON BITUMINOUS CONCRETE	61	0.42					0.42				
		I4 ON OTHER TYPES THAN I2 AND I3	61	0.18						0.18			
	J PORTLAND CEMENT CONCRETE	70	11.97		1.50			6.16		3.01		0.60	0.70
	K BRICK	80											
	L BLOCK	90											
	M DUAL TYPE	64-9											
		74-9											
	N COMBINATION TYPE	64-9											
		74-9											
	TOTAL HARD SURFACED			53.73	0.30	1.68	8.41	2.13	24.60	0.40	8.47	1.79	1.75
	TOTAL MILEAGE			88.09	2.15	4.39	14.48	3.82	28.63	3.08	9.80	6.89	4.57
													10.25

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural State Highway

SYSTEM

COMPLETED AS OF

Jan. 1 1949

COUNTY Totals
DIVISION NO. Nine (9)

		MILEAGE TOTAL	MILEAGE BY COUNTIES									
	TYPE OF ROAD		ALEXANDER	BURKE	CATAWBA	CLEVELAND	GASTON	IREDELL	LINCOLN	McDOWELL	POLK	RUTHERFORD
NON SURFD	A PRIMITIVE	00										
	B UNIMPROVED	10										
	C GRADED AND DRAINED	20	23.6		16.1	1.5	3.0					3.0
	D SOIL SURFACED —UNTREATED	30	21.0	5.8			11.9					
	E GRAVEL OR STONE —UNTREATED	41-43	46.0		22.5					11.5		12.0
	TOTAL NON HARD SURFACED		90.6	5.8	38.6	1.5	14.9		3.3	11.5		15.0
	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	276.8	21.2	4.0	33.2	73.1	22.9	33.3	40.9	10.9
		F2 GRAVEL OR STONE	52-53	194.4	8.7	61.7	12.8				72.8	19.4
		F3 WATERBOUND MACADAM	54									
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	9.5	9.1				0.4			
LOW TYPE SURFACES		G2 ON BITUMINOUS CONCRETE	61	12.1					10.1		2.0	
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61									
		G4 ON BITUMINOUS SURFACE TREATMENT	61	6.8							0.9	5.9
		G5 ON OTHER TYPES THAN G1-2-3-4	61	19.9								
	H BITUMINOUS PENETRATION	62	21.0									1.6
	I BITUMINOUS CONCRETE I1	63	114.7		17.9	10.5		6.8	57.2	22.3		
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	15.5		0.8		14.7				
		I3 ON BITUMINOUS CONCRETE	61									
		I4 ON OTHER TYPES THAN I2 AND I3	61	13.0		0.9	5.9	3.0			3.2	
	J PORTLAND CEMENT CONCRETE	70	180.2		24.5	33.6	19.8	19.7	22.6	6.6	24.4	7.0
HIGH TYPE SURFACES	K BRICK	80										
	L BLOCK	90										
	M DUAL TYPE	64-9	1.8		0.3						1.5	
		74-9										
	N COMBINATION TYPE	64-9	5.6								5.6	
TOTAL HARD SURFACED		871.3	39.0	90.5	98.4	110.1	107.9	127.7	71.8	99.6	40.5	85.8
TOTAL MILEAGE		961.9	44.8	129.1	99.9	125.0	107.9	127.7	75.1	111.1	40.5	100.8

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal State Highway

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY _____ Total
DIVISION NO. Nine (9)

		TYPE OF ROAD	MILEAGE TOTAL	MILEAGE BY COUNTIES								
NON SURFD	LOW TYPE SURFACES			ALEXANDER	BURKE	CATAWBA	CLEVELAND	GASTON	IREDELL	LINCOLN	McDOWELL	POLK
		A PRIMITIVE	00									
		B UNIMPROVED	10									
		C GRADED AND DRAINED	20	2.37		1.99						0.38
		D SOIL SURFACED —UNTREATED	30									
		E GRAVEL OR STONE —UNTREATED	41-43									
		TOTAL NON HARD SURFACED	2.37		1.99							0.38
	HIGH TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY 51	11.43		0.61	6.09	1.52	1.24	1.41		0.56
			F2 GRAVEL OR STONE 52-53	8.61		0.67	0.58	3.12	0.67		0.87	2.70
			F3 WATERBOUND MACADAM 54									
		G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE 61	1.23	0.85		0.13				0.25	
			G2 ON BITUMINOUS CONCRETE 61	1.77		0.09		1.20		0.48		
			G3 ON SAND ASPHALT (HOT PREMIXT.) 61									
			G4 ON BITUMINOUS SURFACE TREATMENT 61	1.92	0.35						0.15	1.42
			G5 ON OTHER TYPES THAN G1-2-3-4 61	1.06				1.06				
		H BITUMINOUS PENETRATION	62	3.63				3.09	0.54			
		I BITUMINOUS CONCRETE I1	63	29.98	1.79	7.18	2.75	5.20	10.14	2.92		
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	4.41		0.75	0.21	0.49	1.34	0.52	0.10	0.37
		I3 ON BITUMINOUS CONCRETE	61	18.34		0.69	3.18	4.88	4.17	3.61	1.25	0.56
		I4 ON OTHER TYPES THAN I2 AND I3	61	7.82		2.39	1.05		3.36		0.63	0.39
		J PORTLAND CEMENT CONCRETE	70	39.64		5.89	8.11	3.83	5.19	2.24	0.12	1.96
		K BRICK	80									
		L BLOCK	90									
		M DUAL TYPE	64-9 74-9	1.34		0.59	0.12	0.26			0.37	
		N COMBINATION TYPE	64-9 74-9	5.61								5.61
		TOTAL HARD SURFACED		136.79	1.79	12.18	21.04	21.64	26.80	18.29	6.28	3.33
		TOTAL MILEAGE		139.16	1.79	12.18	23.03	21.64	26.80	18.29	6.28	3.33

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural County Road

SYSTEM

COMPLETED AS OF

Jan. 1 1949

COUNTY _____ **Totals**
DIVISION No. Nine (9)

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal County Road

SYSTEM

COMPLETED AS OF Jan. 1 **1949**

COUNTY _____ Totals _____
DIVISION NO. Nine (9)

NON SURF'D	TYPE OF ROAD	MILEAGE TOTAL	MILEAGE BY COUNTIES												
			ALEXANDER	BURKE	CATAWBA	CLEVELAND	GASTON	IREDELL	LINCOLN	MCDOWELL	POLK	RUTHERFORD			
LOW TYPE SURFACES	A PRIMITIVE	00													
	B UNIMPROVED	10	1.84		0.07	0.20		0.30	0.15	0.08	0.19	0.85			
	C GRADED AND DRAINED	20	10.68		1.48	0.12		1.19	0.30	0.14	0.94	3.39	3.12		
	D SOIL SURFACED —UNTREATED	30	37.16	0.71	4.45	4.52	8.51	5.50	3.73	5.42	0.05	4.24			
	E GRAVEL OR STONE —UNTREATED	41-43	12.72		0.67	0.97	0.75	0.41	0.41	0.62	1.37	7.52			
HIGH TYPE SURFACES	TOTAL NON HARD SURFACED			62.40	0.71	6.67	5.81	9.26	7.40	4.59	5.56	1.72	4.95	15.73	
	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	37.50	0.33	7.43	7.63	5.30	2.05	4.46	1.41	0.35	1.38	7.16	
		F2 GRAVEL OR STONE	52-53	21.70			3.88	4.35	6.71	0.72	1.33	0.52	0.85	3.04	
		F3 WATERBOUND MACADAM	54												
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61												
		G2 ON BITUMINOUS CONCRETE	61												
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61												
		G4 ON BITUMINOUS SURFACE TREATMENT	61												
		G5 ON OTHER TYPES THAN G1-2-3-4	61												
	H BITUMINOUS PENETRATION	62	0.89						0.76			0.13			
	I BITUMINOUS CONCRETE II	63	6.32	0.30		0.50	0.55	0.80	1.72	1.00	0.37	0.43	0.65		
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	0.62			0.62								
		I3 ON BITUMINOUS CONCRETE	61	0.49		0.49									
		I4 ON OTHER TYPES THAN I2 AND I3	61	9.22	0.10	0.50	2.18	1.35	4.84			0.25			
	J PORTLAND CEMENT CONCRETE	70	4.11				0.28	0.01			2.03	1.27	0.52		
	K BRICK	80													
	L BLOCK	90													
	M DUAL TYPE	64-9 74-9													
	N COMBINATION TYPE	64-9 74-9													
TOTAL HARD SURFACED			50.85	1.22	7.93	15.09	11.56	15.16	6.90	3.74	3.57	4.31	11.37		
TOTAL MILEAGE			143.25	1.93	14.60	20.90	20.82	22.56	11.49	9.30	5.29	9.26	27.10		

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Rural State Highway

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Totals
DIVISION NO. Ten (10)

		TYPE OF ROAD	MILEAGE TOTAL	MILEAGE BY COUNTIES															
NON SURFD	LOW TYPE SURFACES			AVERY	BUNCOMBE	CHEROKEE	CLAY	GRAHAM	HAYWOOD	HENDERSON	JACKSON	MACON	MADISON	MICHELL	SWAIN	TRANSYLVANIA	YANCEY		
		A PRIMITIVE	00																
		B UNIMPROVED	10																
		C GRADED AND DRAINED	20	26.2		6.1												3.1	
		D SOIL SURFACED —UNTREATED	30																
		E GRAVEL OR STONE —UNTREATED	41-43	188.8	5.1	39.0												6.1	19.6
		TOTAL NON HARD SURFACED		215.0	5.1	45.1												9.2	19.6
	HIGH TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	11.9														6.8
		F2 GRAVEL OR STONE	52-53	576.7	53.8	13.4	50.2	36.6	21.8	42.5	13.8	61.1	53.2	57.4	3.2	48.9	66.1	54.7	
		F3 WATERBOUND MACADAM	54	26.7	5.5		8.9										3.1	4.7	4.5
		G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	17.1		6.2												
		G2 ON BITUMINOUS CONCRETE	61	10.1		10.1													
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61																
		G4 ON BITUMINOUS SURFACE TREATMENT	61	50.3	4.0													5.6	6.4
		G5 ON OTHER TYPES THAN G1-2-3-4	61	9.2															
		H BITUMINOUS PENETRATION	62	2.0															
		I BITUMINOUS CONCRETE I1	63	29.6		16.0													
	SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61	48.5		22.2													
		I3 ON BITUMINOUS CONCRETE	61	10.8		0.9													
		I4 ON OTHER TYPES THAN I2 AND I3	61	2.4		2.4													
		J PORTLAND CEMENT CONCRETE	70	168.9	3.4	59.1	13.4											0.3	
		K BRICK	80																
		L BLOCK	90																
		M DUAL TYPE	64-9	74-9	0.1	0.1													
		N COMBINATION TYPE	64-9	74-9															
		TOTAL HARD SURFACED		964.3	66.7	130.4	72.5	36.6	31.8	74.5	74.9	95.6	89.5	68.5	26.3	57.1	71.7	68.2	
		TOTAL MILEAGE		1179.3	71.8	175.5	72.5	36.6	31.8	104.8	77.1	118.1	89.5	127.1	48.7	57.1	80.9	87.8	

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal State Highway

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY	Total
DIVISION NO.	Ten (10)

		TYPE OF ROAD	MILEAGE TOTAL	MILEAGE BY COUNTIES															
NON SURFD	LOW TYPE SURFACES			AVERY	BUNCOMBE	CHEROKEE	CLAY	GRAHAM	HAYWOOD	HENDERSON	JACKSON	MACON	MADISON	MITCHELL	SWAIN	TRANSYLVANIA	YANCEY		
	A PRIMITIVE	00																	
	B UNIMPROVED	10																	
	C GRADED AND DRAINED	20	0.15		0.15														
	D SOIL SURFACED —UNTREATED	30																	
	E GRAVEL OR STONE —UNTREATED	41-43	3.98		0.36							1.30		2.32					
	TOTAL NON HARD SURFACED		4.13		0.51							1.30		2.32					
	F BITUMINOUS SURFACE TREATED	51																	
	F ₁ TOPSOIL OR SAND-CLAY	51																	
	F ₂ GRAVEL OR STONE	52-53	29.07	4.36	1.83	1.65	0.60	0.85	0.77	0.15	4.62	5.05	6.64			1.74	0.81		
	F ₃ WATERBOUND MACADAM	54	3.21	1.69		0.85								0.67					
	G MIXED BITUMINOUS —LOW TYPE	x																	
	G ₁ ON P. C. CONCRETE	61	0.51																
	G ₂ ON BITUMINOUS CONCRETE	61	0.98		0.98														
	G ₃ ON SAND ASPHALT (HOT PREMIXT.)	61	x																
	G ₄ ON BITUMINOUS SURFACE TREATMENT	61	2.89	0.47															
	G ₅ ON OTHER TYPES THAN G ₁₋₂₋₃₋₄	61	x																
	H BITUMINOUS PENETRATION	62	1.45												1.45				
	I BITUMINOUS CONCRETE II	63	21.57		9.95	1.32						0.97	2.37	1.04	0.25	0.60	2.37	2.70	
	SAND ASPHALT —HOT PREMIXED	I ₂ ON P. C. CONCRETE	61	3.63	0.97							0.88	1.78						
	I ₃ ON BITUMINOUS CONCRETE	61	4.57									3.66	0.91						
	I ₄ ON OTHER TYPES THAN I ₂ AND I ₃	61	0.49									0.49							
	J PORTLAND CEMENT CONCRETE	70	22.60		8.35	3.74						0.07	1.06	0.39	2.28	0.45	4.03	0.51	1.72
	K BRICK		80																
	L BLOCK		90												0.20				
	M DUAL TYPE		64-9 74-9	1.18	0.86														
	N COMBINATION TYPE		64-9 74-9																
	TOTAL HARD SURFACED		92.15	6.52	22.94	7.56	0.60	0.85	7.47	6.27	6.26	9.79	7.69	6.35	2.88	4.44	2.53		
	TOTAL MILEAGE		96.28	6.52	23.45	7.56	0.60	0.85	7.47	6.27	7.56	9.79	10.01	6.35	2.88	4.44	2.53		

**NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD**

Rural County Road

SYSTEM

COMPLETED AS OF Jan. 1 **1949**

COUNTY _____ **Totals**
DIVISION No. _____ **Ten (10)**

TYPE OF ROAD		MILEAGE TOTAL	MILEAGE BY COUNTIES																
			AVERY	BUNCOMBE	CHEROKEE	CLAY	GRAHAM	HAYWOOD	HENDERSON	JACKSON	MACON	MADISON	MITCHELL	SWAIN	YANCEY	TRANSYLVANIA			
NON SURF'D	A PRIMITIVE	00	46.6		6.2			1.7	2.1	34.1		0.2		0.3	1.8	0.2			
	B UNIMPROVED	10	1054.7	37.6	99.4	114.1	61.1	65.7	38.2	26.3	100.4	164.2	167.9	48.2	40.0	41.2	50.4		
	C GRADED AND DRAINED	20	511.5	15.0	95.8	24.7	1.6	8.0	51.3	123.5	41.7	40.4	14.1	8.1	11.2	71.0	5.1		
	D SOIL SURFACED —UNTREATED	30	7.3		4.2			3.1											
	E GRAVEL OR STONE —UNTREATED	41-43	3030.3	141.5	610.0	234.2	111.5	80.2	254.3	359.1	161.8	233.0	277.7	168.1	93.2	138.1	167.6		
TOTAL NON HARD SURFACED			4650.4	194.1	815.6	373.0	174.2	153.9	345.5	514.1	338.0	437.6	459.9	224.4	144.7	252.1	223.3		
LOW TYPE SURFACES	F BITUMINOUS SURFACE TREATED	F1 TOPSOIL OR SAND-CLAY	51	7.7		0.2			1.6	5.9									
		F2 GRAVEL OR STONE	52-53	148.8	3.4	35.2	14.6	5.8	13.3	8.8	34.7	1.8	0.2		12.6	6.6	11.8		
		F3 WATERBOUND MACADAM	54	0.5		0.5													
	G MIXED BITUMINOUS —LOW TYPE	G1 ON P. C. CONCRETE	61	x															
		G2 ON BITUMINOUS CONCRETE	61	x															
HIGH TYPE SURFACES		G3 ON SAND ASPHALT (Hot Premixt.)	61	x															
		G4 ON BITUMINOUS SURFACE TREATMENT	61	x	0.3	0.3													
		G5 ON OTHER TYPES THAN G1-2-3-4	61	x															
	H BITUMINOUS PENETRATION	62	1.2							1.2									
	I BITUMINOUS CONCRETE II	63	31.7		24.7				0.4	2.0			4.6						
SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61																	
	I3 ON BITUMINOUS CONCRETE	61	0.5		0.5														
	I4 ON OTHER TYPES THAN I2 AND I3	61	9.2		9.2														
	J PORTLAND CEMENT CONCRETE	70	61.6		52.3			1.5	4.1	0.4				1.5	1.8				
K BRICK		80																	
L BLOCK		90																	
M DUAL TYPE		64-9 74-9																	
N COMBINATION TYPE		64-9 74-9																	
TOTAL HARD SURFACED			261.5	3.4	122.4	15.1	5.8	13.3	12.3	47.9	2.2		4.8	1.5	14.4	6.6	11.8		
TOTAL MILEAGE			4911.9	197.5	938.0	388.1	180.0	167.2	357.8	562.0	340.2	437.6	464.7	225.9	159.1	258.7	235.1		

NORTH CAROLINA STATE HIGHWAY AND PUBLIC WORKS COMMISSION
EXISTING MILEAGE CLASSIFIED BY TYPE AND WIDTH OF ROAD

Municipal County Road

SYSTEM

COMPLETED AS OF Jan. 1 1949

COUNTY Totals
DIVISION NO. Ten (10)

		TYPE OF ROAD	MILEAGE TOTAL	MILEAGE BY COUNTIES																			
NON SURFD	LOW TYPE SURFACES			AVERY	BUNCOMBE	CHEROKEE	CLAY	GRAHAM	HAYWOOD	HENDERSON	JACKSON	MACON	MADISON	MICHELL	SWAIN	TRANSYLVANIA	YANCEY						
	A PRIMITIVE	00																					
	B UNIMPROVED	10	14.11	2.37	0.13	1.15																	
	C GRADED AND DRAINED	20	3.75		0.52	0.58																	
	D SOIL SURFACED —UNTREATED	30																					
	E GRAVEL OR STONE —UNTREATED	41-43	69.57	7.55	7.50	7.82	0.40	0.27	4.63	11.22	4.95	4.69	8.65	6.68	2.09	2.41	0.71						
	TOTAL NON HARD SURFACED			87.43	9.92	8.15	9.55	0.40	0.87	4.92	12.22	8.85	7.90	9.77	7.24	3.94	2.91	0.79					
	F BITUMINOUS SURFACE TREATED	51	0.93	0.71	0.22																		
	F1 TOPSOIL OR SAND-CLAY	51	0.93	0.71	0.22																		
	F2 GRAVEL OR STONE	52-53	12.82	0.95	3.42	0.80	0.91	0.96	0.30	1.50	1.23	0.60	0.69	0.34	1.12								
HIGH TYPE SURFACES	HIGH TYPE SURFACES	G MIXED BITUMINOUS —LOW TYPE	54	2.30																			
		G1 ON P. C. CONCRETE	61																				
		G2 ON BITUMINOUS CONCRETE	61																				
		G3 ON SAND ASPHALT (HOT PREMIXT.)	61																				
		G4 ON BITUMINOUS SURFACE TREATMENT	61	0.52	0.52																		
		G5 ON OTHER TYPES THAN G1-2-3-4	61																				
		H BITUMINOUS PENETRATION	62	0.17			0.17																
		I BITUMINOUS CONCRETE I1	63	15.99		6.60				2.61	3.82						0.05	2.91					
		SAND ASPHALT —HOT PREMIXED	I2 ON P. C. CONCRETE	61																			
		I3 ON BITUMINOUS CONCRETE	61																				
		I4 ON OTHER TYPES THAN I2 AND I3	61	2.76		0.98				1.36	0.42												
		J PORTLAND CEMENT CONCRETE	70	21.64		5.92	0.36			4.82	4.00	1.37											
		K BRICK	80																				
		L BLOCK	90																				
		M DUAL TYPE	64-9 74-9	0.08																			
		N COMBINATION TYPE	64-9 74-9																				
TOTAL HARD SURFACED			57.21	2.18	17.14	1.33	0.91	0.96	9.09	12.12	2.60	0.60	2.70	1.24	2.91	2.91	0.52						
TOTAL MILEAGE			144.64	12.10	25.29	10.58	1.31	1.83	14.01	24.34	11.45	8.50	12.47	8.48	6.55	5.82	1.31						