

PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

INFORMATIONAL MEMORANDUM

DATE: OCTOBER 31, 1946

SUBJECT: TRAFFIC VOLUME TRENDS

On the basis of preliminary estimates, total travel during September 1946 on rural roads exceeded the amount of such traffic in September 1941 by almost three percent. This amount of increase was found on both main highways and on local roads.

Traffic in the two western regions was 28 percent above corresponding 1941 counts; that in the central regions was approximately equal; while that in the eastern regions was 6 percent below the 1941 levels. In comparison with 1945 figures, traffic in the western regions increased 29 percent; that in the central regions 26 percent; and that in the eastern regions 27 percent.

Comparisons of city traffic in September 1946 with corresponding traffic in September 1945 are as follows:

6 stations in Chicago, Illinois +19.9
2 stations in Cleveland, Ohio +23.3
3 stations in Detroit, Michigan +15.8
1 station in Duluth, Minnesota +16.1
1 station in Santa Fe, New Mexico +29.2
6 stations in St. Louis, Missouri +22.9
13 stations in Washington, D. C. +15.7

H. S. FAIRBANK, DEPUTY COMMISSIONER
PUBLIC ROADS ADMINISTRATION

Attachments

CONFIDENTIAL - SECURITY INFORMATION

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TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
SEPTEMBER 1946 INCLUDING 585 STATIONS IN 41 STATES¹

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Type of highway and State	Number of stations	Percentage change from Sept. 1945	Type of highway and State	Number of stations	Percentage change from Sept. 1945
<i>STATE HIGHWAYS</i>			<i>STATE HIGHWAYS</i>		
Alabama	8	+23.5	(Continued)		
Arizona	4	+37.6	Utah	10	+23.8
Arkansas	19	+35.9	Vermont	9	+28.4
California	6	+34.2	Washington	10	+18.4
Colorado	5	+26.4	West Virginia	11	+27.8
Connecticut	17	+30.2	Wisconsin	9	+27.0
Delaware	5	+26.2			
Florida	19	+16.6	<i>TOTAL - 41 STATES</i>	553	+26.4
Georgia	7	+28.2			
Idaho	8	+33.9	<i>LOCAL HIGHWAYS</i>		
Illinois	4	+33.2	Alabama	2	+40.7
Iowa	26	+31.5	Connecticut	3	+21.9
Kansas	14	+27.6	Delaware	2	+38.9
Kentucky	9	+24.1	Georgia	3	+39.7
Louisiana	7	+29.7	Iowa	8	+20.0
Maine	10	+25.0	Maryland	1	+22.5
Maryland	17	+21.7	Michigan	2	+24.2
Massachusetts	9	+27.3	Missouri	1	-17.3
Michigan	26	+29.7	Montana	2	+5.4
Mississippi	10	+31.0	Nebraska	1	+15.6
Missouri	22	+27.9	North Dakota	1	-25.4
Montana	12	+22.3	Ohio	2	+21.4
Nebraska	11	+21.6	Oregon	1	+59.1
Nevada	16	+25.3	Rhode Island	1	+25.1
New Hampshire	12	+40.8	Tennessee	1	+36.1
New Mexico	14	+14.9	Wisconsin	1	+23.6
North Carolina	19	+31.3			
North Dakota	4	+18.6	<i>TOTAL - 16 STATES</i>	32	+28.1
Ohio	22	+32.7			
Oklahoma	20	+25.9	<i>ALL HIGHWAYS</i>		
Oregon	3	+30.7	<i>41 STATES</i>	585	+26.9
Pennsylvania	30	+24.4			
Rhode Island	2	+15.5	<i>3 EASTERN REGIONS</i>	177	+26.6
South Dakota	9	+40.8	<i>4 CENTRAL REGIONS</i>	317	+26.2
Tennessee	5	+14.0	<i>2 WESTERN REGIONS</i>	91	+29.4
Texas	73	+18.7			

¹Includes all States except Indiana, Minnesota, New Jersey, New York, South Carolina, Virginia and Wyoming.

STATE OF TEXAS
 DEPARTMENT OF AGRICULTURE
 ANNUAL REPORT FOR THE YEAR 1911

CATTLE	HORSES	SWINE	SHEEP	GOATS
1911	1911	1911	1911	1911
1910	1910	1910	1910	1910
1909	1909	1909	1909	1909
1908	1908	1908	1908	1908
1907	1907	1907	1907	1907
1906	1906	1906	1906	1906
1905	1905	1905	1905	1905
1904	1904	1904	1904	1904
1903	1903	1903	1903	1903
1902	1902	1902	1902	1902
1901	1901	1901	1901	1901
1900	1900	1900	1900	1900
1899	1899	1899	1899	1899
1898	1898	1898	1898	1898
1897	1897	1897	1897	1897
1896	1896	1896	1896	1896
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1893	1893	1893	1893	1893
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1874	1874	1874	1874	1874
1873	1873	1873	1873	1873
1872	1872	1872	1872	1872
1871	1871	1871	1871	1871
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1868	1868	1868	1868	1868
1867	1867	1867	1867	1867
1866	1866	1866	1866	1866
1865	1865	1865	1865	1865
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1853	1853	1853	1853	1853
1852	1852	1852	1852	1852
1851	1851	1851	1851	1851
1850	1850	1850	1850	1850
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1847	1847	1847	1847	1847
1846	1846	1846	1846	1846
1845	1845	1845	1845	1845
1844	1844	1844	1844	1844
1843	1843	1843	1843	1843
1842	1842	1842	1842	1842
1841	1841	1841	1841	1841
1840	1840	1840	1840	1840
1839	1839	1839	1839	1839
1838	1838	1838	1838	1838
1837	1837	1837	1837	1837
1836	1836	1836	1836	1836
1835	1835	1835	1835	1835
1834	1834	1834	1834	1834
1833	1833	1833	1833	1833
1832	1832	1832	1832	1832
1831	1831	1831	1831	1831
1830	1830	1830	1830	1830
1829	1829	1829	1829	1829
1828	1828	1828	1828	1828
1827	1827	1827	1827	1827
1826	1826	1826	1826	1826
1825	1825	1825	1825	1825
1824	1824	1824	1824	1824
1823	1823	1823	1823	1823
1822	1822	1822	1822	1822
1821	1821	1821	1821	1821
1820	1820	1820	1820	1820
1819	1819	1819	1819	1819
1818	1818	1818	1818	1818
1817	1817	1817	1817	1817
1816	1816	1816	1816	1816
1815	1815	1815	1815	1815
1814	1814	1814	1814	1814
1813	1813	1813	1813	1813
1812	1812	1812	1812	1812
1811	1811	1811	1811	1811
1810	1810	1810	1810	1810
1809	1809	1809	1809	1809
1808	1808	1808	1808	1808
1807	1807	1807	1807	1807
1806	1806	1806	1806	1806
1805	1805	1805	1805	1805
1804	1804	1804	1804	1804
1803	1803	1803	1803	1803
1802	1802	1802	1802	1802
1801	1801	1801	1801	1801
1800	1800	1800	1800	1800

TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
AUGUST 1946 INCLUDING 617 STATIONS IN 45 STATES¹

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Region and State	Number of stations	Percentage change from August 1945	Region and State	Number of stations	Percentage change from August 1945
<i>NEW ENGLAND</i>			<i>EAST SOUTH CENTRAL</i>		
Connecticut	20	+49.2	Alabama	10	+32.8
Maine	9	+49.3	Kentucky	8	+35.7
Massachusetts	9	+37.9	Mississippi	10	+45.4
New Hampshire	15	+52.1	Tennessee	5	+38.0
Rhode Island	4	+30.0	<i>Subtotal</i>	33	+38.0
Vermont	9	+56.7			
<i>Subtotal</i>	68	+46.7	<i>WEST SOUTH CENTRAL</i>		
<i>MIDDLE ATLANTIC</i>			Arkansas	16	+35.4
New York	2	+52.5	Louisiana	4	+42.3
Pennsylvania	30	+41.9	Oklahoma	20	+38.2
<i>Subtotal</i>	32	+43.3	Texas	73	+30.2
			<i>Subtotal</i>	113	+32.7
<i>SOUTH ATLANTIC</i>			<i>MOUNTAIN</i>		
Delaware	8	+31.4	Arizona	3	+42.0
Maryland	18	+34.9	Colorado	5	+39.8
Virginia	3	+43.8	Idaho	8	+64.3
West Virginia	11	+40.0	Montana	14	+63.2
<i>Subtotal north portion</i>	40	+35.8	Nevada	16	+64.1
Florida	19	+29.0	New Mexico	14	+39.1
Georgia	10	+45.7	Utah	8	+53.3
North Carolina	18	+47.0	Wyoming	5	+92.8
<i>Subtotal south portion</i>	47	+40.2	<i>Subtotal</i>	73	+52.8
<i>Subtotal region</i>	87	+37.6	<i>PACIFIC</i>		
<i>EAST NORTH CENTRAL</i>			California	7	+60.9
Illinois	3	+37.8	Oregon	5	+38.8
Indiana	22	+47.8	Washington	10	+54.3
Michigan	28	+40.5	<i>Subtotal</i>	22	+54.3
Ohio	23	+45.1			
Wisconsin	10	+49.6	<i>TOTAL ALL STATES²</i>	617	+43.4
<i>Subtotal</i>	86	+44.2	<i>STATE HIGHWAYS²</i>	583	+46.1
<i>WEST NORTH CENTRAL</i>			<i>LOCAL HIGHWAYS</i>	34	+36.4
Iowa	34	+55.0			
Kansas	14	+40.1	<i>3 EASTERN REGIONS</i>	185	+39.9
Missouri	24	+46.4	<i>4 CENTRAL REGIONS</i>	337	+40.9
Nebraska	12	+48.8	<i>2 WESTERN REGIONS</i>	95	+57.6
North Dakota	12	+47.6			
South Dakota	9	+76.0			
<i>Subtotal</i>	105	+49.9			

¹Combined State and local highways.

²Includes all States except Minnesota, New Jersey and South Carolina

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

No. of plants	Number of specimens	Name of plant	Number of specimens	Number of plants	Name of plant
1	1	...	1	1	...
2	2	...	2	2	...
3	3	...	3	3	...
4	4	...	4	4	...
5	5	...	5	5	...
6	6	...	6	6	...
7	7	...	7	7	...
8	8	...	8	8	...
9	9	...	9	9	...
10	10	...	10	10	...
11	11	...	11	11	...
12	12	...	12	12	...
13	13	...	13	13	...
14	14	...	14	14	...
15	15	...	15	15	...
16	16	...	16	16	...
17	17	...	17	17	...
18	18	...	18	18	...
19	19	...	19	19	...
20	20	...	20	20	...
21	21	...	21	21	...
22	22	...	22	22	...
23	23	...	23	23	...
24	24	...	24	24	...
25	25	...	25	25	...
26	26	...	26	26	...
27	27	...	27	27	...
28	28	...	28	28	...
29	29	...	29	29	...
30	30	...	30	30	...
31	31	...	31	31	...
32	32	...	32	32	...
33	33	...	33	33	...
34	34	...	34	34	...
35	35	...	35	35	...
36	36	...	36	36	...
37	37	...	37	37	...
38	38	...	38	38	...
39	39	...	39	39	...
40	40	...	40	40	...
41	41	...	41	41	...
42	42	...	42	42	...
43	43	...	43	43	...
44	44	...	44	44	...
45	45	...	45	45	...
46	46	...	46	46	...
47	47	...	47	47	...
48	48	...	48	48	...
49	49	...	49	49	...
50	50	...	50	50	...

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

TABLE 3.--NUMBER OF VEHICLES, CLASSIFIED BY STATES, USING TOLL FACILITIES IN SEPTEMBER 1946 COMPARED WITH THOSE IN SEPTEMBER 1945 AND 1941.

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Facilities	1946			Percentage change from 1945			Percentage change from 1941		
	Total	Passenger cars	Trucks and busses	Total	Passenger cars	Trucks and busses	Total	Passenger cars	Trucks and busses
EASTERN REGIONS									
3 in the New England States	70,609	66,027	4,582	+24.0	+23.6	+30.4	+ 2.9	+ 1.0	+42.5
16 in the Middle Atlantic States Fleetwood Viaduct, Westchester County, New York	11,125,741	9,886,897	1,238,844	+31.4	+33.5	+16.3	+17.3	+17.6	+14.7
Pennsylvania Turnpike	528,143	528,143	--	+40.4	+40.4	--	+38.5	+38.5	--
4 in the South Atlantic States	265,440	225,591	39,849	+31.7	+30.8	+36.8	+ 3.5	- 0.2	+30.5
	376,528	309,555	66,973	+12.1	+10.7	+18.7	- 8.7	-10.4	- 0.2
TOTAL - 25 facilities¹	12,366,461	11,016,213	1,350,248	+31.0	+33.0	+16.9	+16.6	+16.9	+14.4
TOTAL - 29 facilities	13,398,371	11,961,560	1,436,811	+31.5	+33.7	+15.9			
CENTRAL REGIONS									
3 on the Great Lakes Canadian Border ²	432,366	416,070	16,296	+ 8.0	+ 6.8	+55.0	+65.6	+65.3	+74.5
2 in the Great Lakes Region	102,624	89,503	13,121	+24.7	+27.3	+ 9.6	+26.1	+23.5	+47.9
Subtotal - 5 facilities	534,990	505,573	29,417	+10.9	+ 9.9	+30.8	+56.2	+55.9	+61.5
9 on the Ohio River	1,040,744	897,252	143,492	+18.1	+16.9	+26.0	- 2.5	- 3.1	+ 0.7
1 in Kentucky	12,131	9,375	2,756	+39.5	+40.7	+35.5	+96.9	+97.9	+93.7
Subtotal - 10 facilities	1,052,875	906,627	146,248	+18.3	+17.1	+26.2	- 2.0	- 2.5	+ 1.6
6 on the Mississippi and St. Croix Rivers St. Louis and north	421,945	377,036	44,909	+36.0	+39.9	+15.6	+19.0	+23.7	- 9.5
2 on the Mississippi River south of St. Louis	66,027	50,968	15,059	+23.0	+16.6	+51.6	+94.6	+86.9	+126.1
Subtotal - 8 facilities	487,972	428,004	59,968	+34.0	+35.8	+23.0	+25.6	+28.8	+ 6.5
4 on the Missouri River	240,087	192,541	47,546	+15.5	+22.9	- 7.0	+19.4	+28.1	- 6.5
2 in the Missouri River area	7,009	6,009	1,000	+47.2	+43.3	+76.4	+33.6	+32.4	+40.8
Subtotal - 6 facilities	247,096	198,550	48,546	+16.3	+23.4	- 6.1	+19.7	+28.2	- 5.8
1 on the Mexican Border	48,932	40,874	8,058	+21.2	+18.5	+36.9	+100.9	+102.2	+94.4
TOTAL - 30 facilities¹	2,371,865	2,079,628	292,237	+19.2	+19.2	+19.4	+16.5	+18.1	+ 6.6
TOTAL - 35 facilities	2,711,763	2,384,227	327,536	+19.6	+19.6	+19.6			
WESTERN REGIONS									
2 in California	2,693,368	2,449,137	244,731	+ 6.6	+ 5.6	+17.9	+28.4	+27.1	+42.6
4 in the Oregon-Washington area	389,240	342,707	46,533	+18.8	+18.2	+23.9	+79.8	+77.7	+96.9
TOTAL - 6 facilities	3,082,608	2,791,844	290,764	+ 8.0	+ 7.0	+18.8	+33.2	+31.7	+49.2
UNITED STATES									
TOTAL - 61 facilities¹	17,820,934	15,887,685	1,933,249	+24.8	+25.7	+17.6	+19.2	+19.4	+17.2
TOTAL - 70 facilities	19,192,742	17,137,631	2,055,111	+25.4	+26.5	+16.9			

¹These facilities have comparative data for 1946, 1945 and 1941 and are included in the larger total below.

²One of these facilities is in Western New York and therefore is related to similar facilities in the Central States.

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<p>34. <u>Table</u></p>	<p>35. <u>Equation</u></p>	<p>36. <u>Diagram</u></p>	<p>37. <u>Flowchart</u></p>	<p>38. <u>Map</u></p>	<p>39. <u>Graph</u></p>	<p>40. <u>Table</u></p>	<p>41. <u>Figure</u></p>	<p>42. <u>Table</u></p>	<p>43. <u>Figure</u></p>	<p>44. <u>Page</u></p>
<p>45. <u>Figure</u></p>	<p>46. <u>Table</u></p>	<p>47. <u>Equation</u></p>	<p>48. <u>Diagram</u></p>	<p>49. <u>Flowchart</u></p>	<p>50. <u>Map</u></p>	<p>51. <u>Graph</u></p>	<p>52. <u>Table</u></p>	<p>53. <u>Figure</u></p>	<p>54. <u>Table</u></p>	<p>55. <u>Page</u></p>
<p>56. <u>Table</u></p>	<p>57. <u>Equation</u></p>	<p>58. <u>Diagram</u></p>	<p>59. <u>Flowchart</u></p>	<p>60. <u>Map</u></p>	<p>61. <u>Graph</u></p>	<p>62. <u>Table</u></p>	<p>63. <u>Figure</u></p>	<p>64. <u>Table</u></p>	<p>65. <u>Figure</u></p>	<p>66. <u>Page</u></p>
<p>67. <u>Figure</u></p>	<p>68. <u>Table</u></p>	<p>69. <u>Equation</u></p>	<p>70. <u>Diagram</u></p>	<p>71. <u>Flowchart</u></p>	<p>72. <u>Map</u></p>	<p>73. <u>Graph</u></p>	<p>74. <u>Table</u></p>	<p>75. <u>Figure</u></p>	<p>76. <u>Table</u></p>	<p>77. <u>Page</u></p>
<p>78. <u>Table</u></p>	<p>79. <u>Equation</u></p>	<p>80. <u>Diagram</u></p>	<p>81. <u>Flowchart</u></p>	<p>82. <u>Map</u></p>	<p>83. <u>Graph</u></p>	<p>84. <u>Table</u></p>	<p>85. <u>Figure</u></p>	<p>86. <u>Table</u></p>	<p>87. <u>Figure</u></p>	<p>88. <u>Page</u></p>
<p>89. <u>Figure</u></p>	<p>90. <u>Table</u></p>	<p>91. <u>Equation</u></p>	<p>92. <u>Diagram</u></p>	<p>93. <u>Flowchart</u></p>	<p>94. <u>Map</u></p>	<p>95. <u>Graph</u></p>	<p>96. <u>Table</u></p>	<p>97. <u>Figure</u></p>	<p>98. <u>Table</u></p>	<p>99. <u>Page</u></p>
<p>100. <u>Table</u></p>	<p>101. <u>Equation</u></p>	<p>102. <u>Diagram</u></p>	<p>103. <u>Flowchart</u></p>	<p>104. <u>Map</u></p>	<p>105. <u>Graph</u></p>	<p>106. <u>Table</u></p>	<p>107. <u>Figure</u></p>	<p>108. <u>Table</u></p>	<p>109. <u>Figure</u></p>	<p>110. <u>Page</u></p>

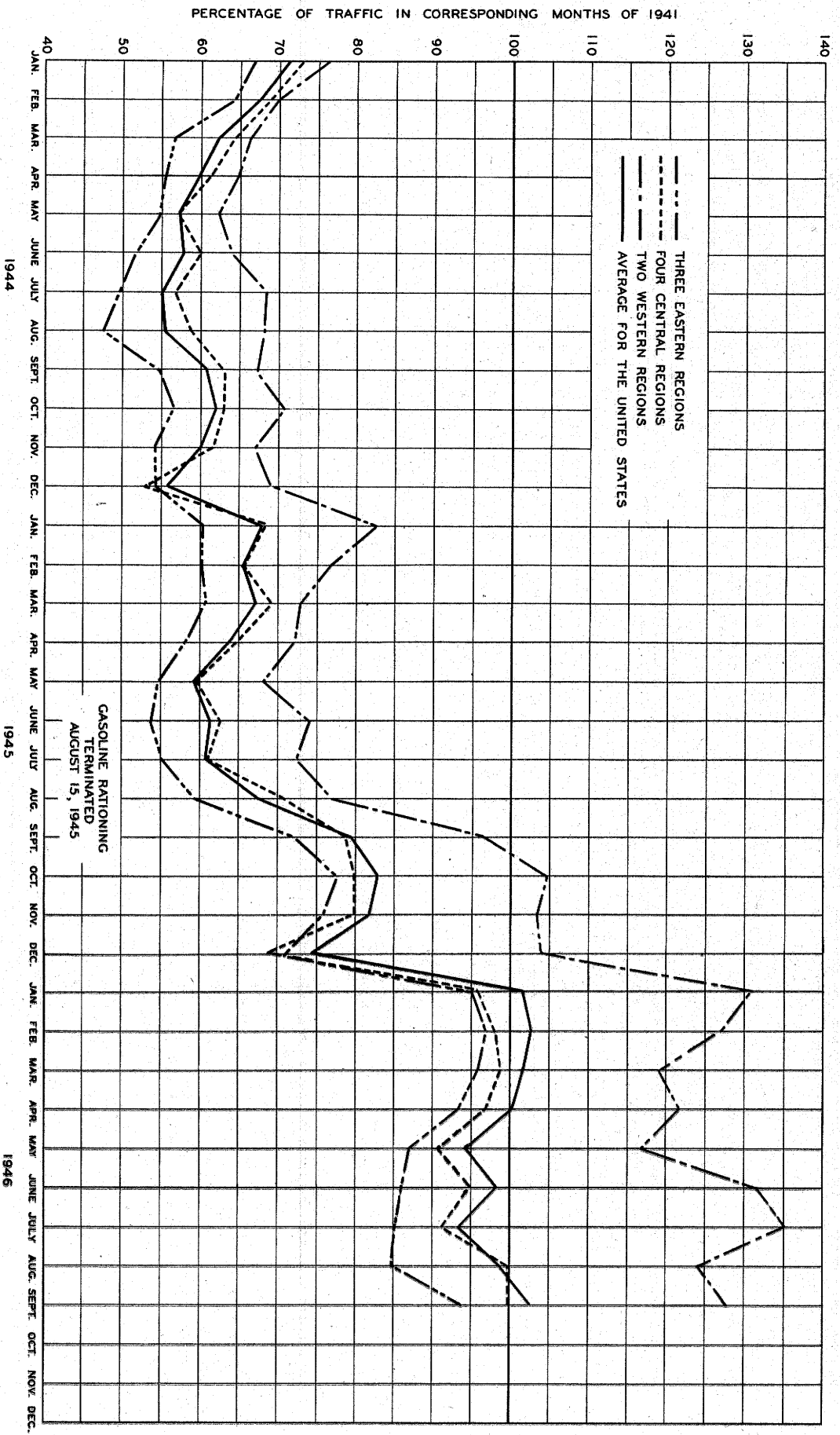


FIGURE 1.— PERCENTAGE RELATIONS OF RURAL TRAFFIC IN MONTHS OF 1944, 1945 AND 1946 WITH THAT IN CORRESPONDING MONTHS OF 1941.

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FIGURE 1. Aerial photograph of the study area showing the location of the study area in the context of the surrounding area.

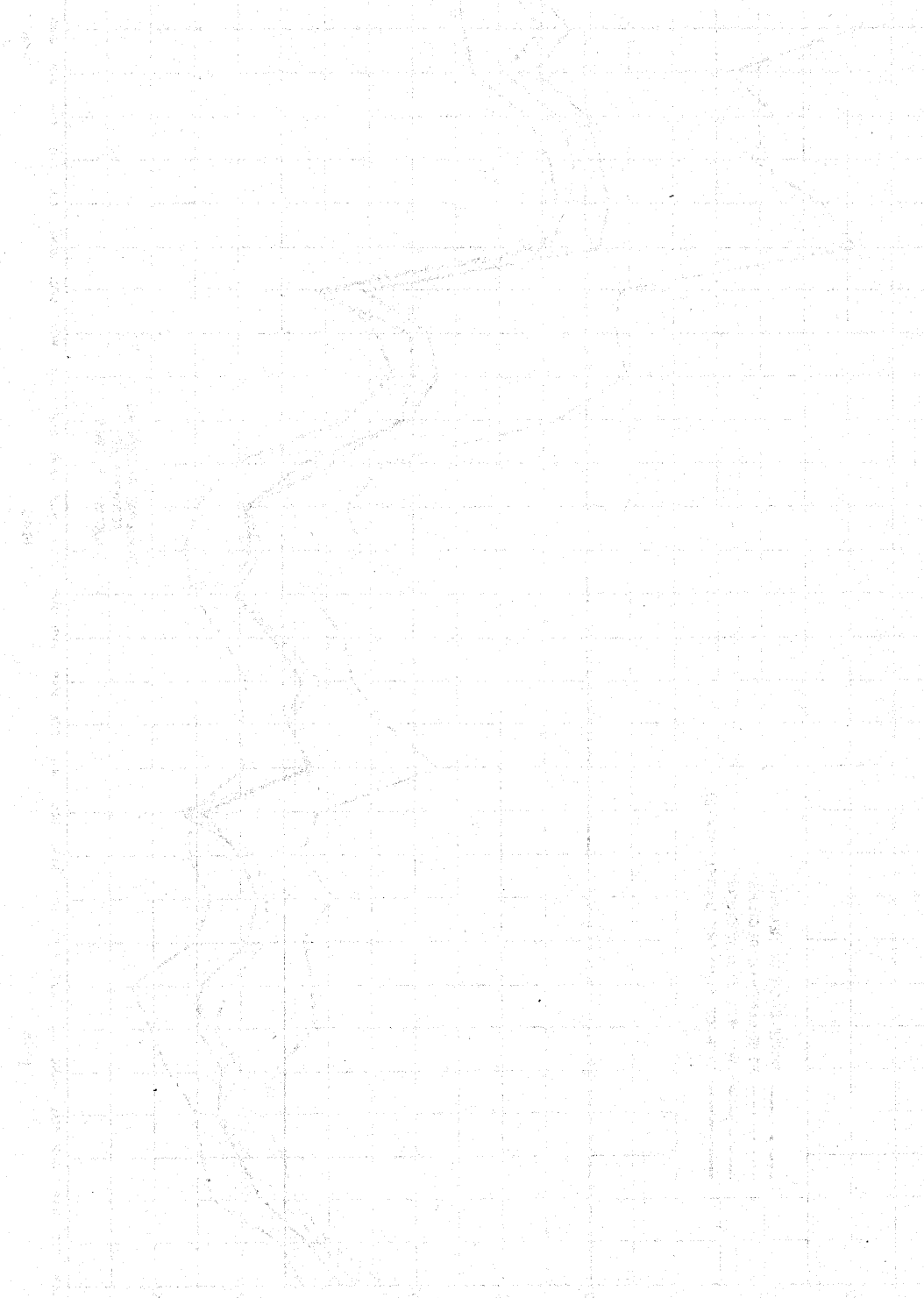


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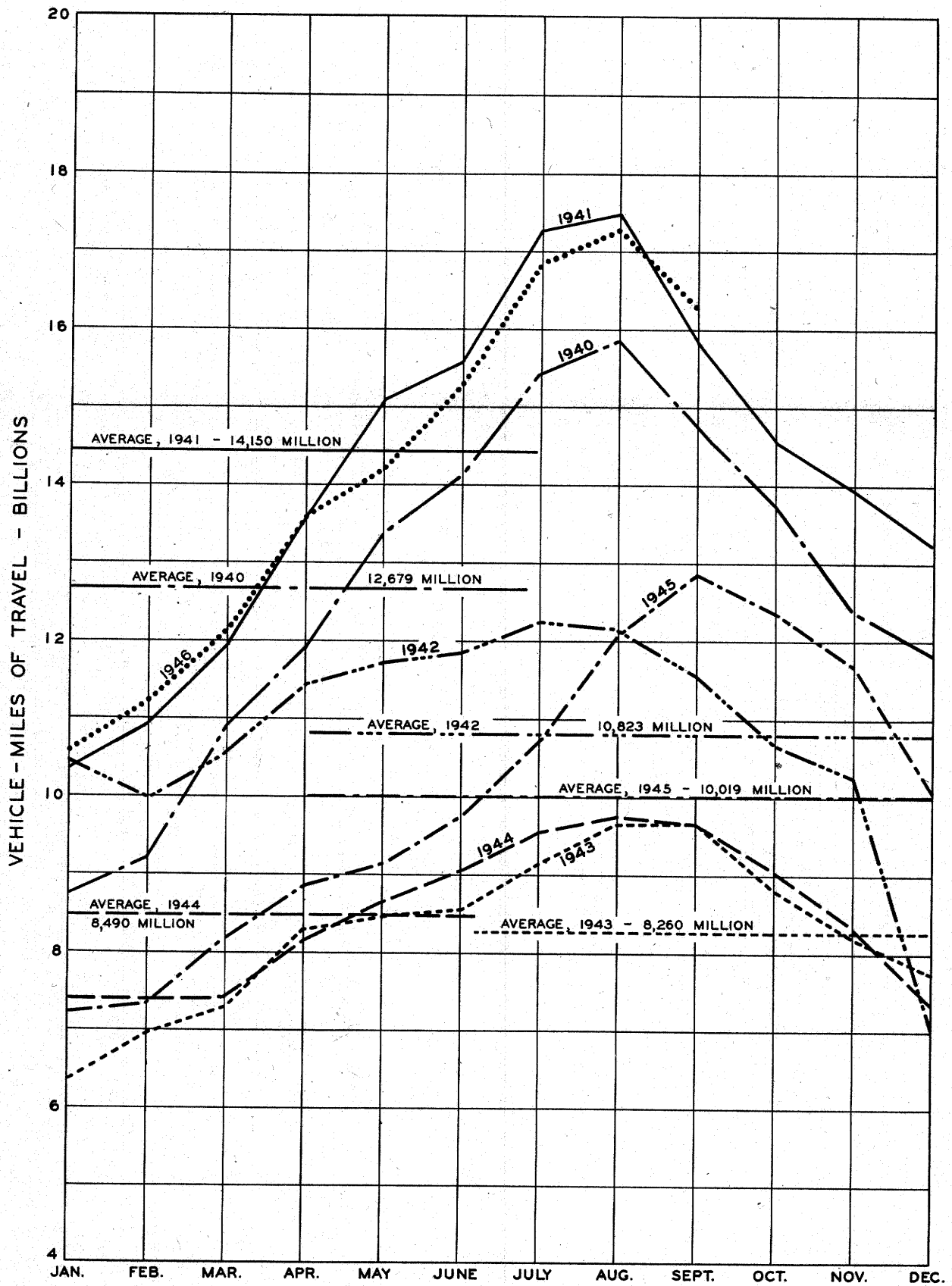
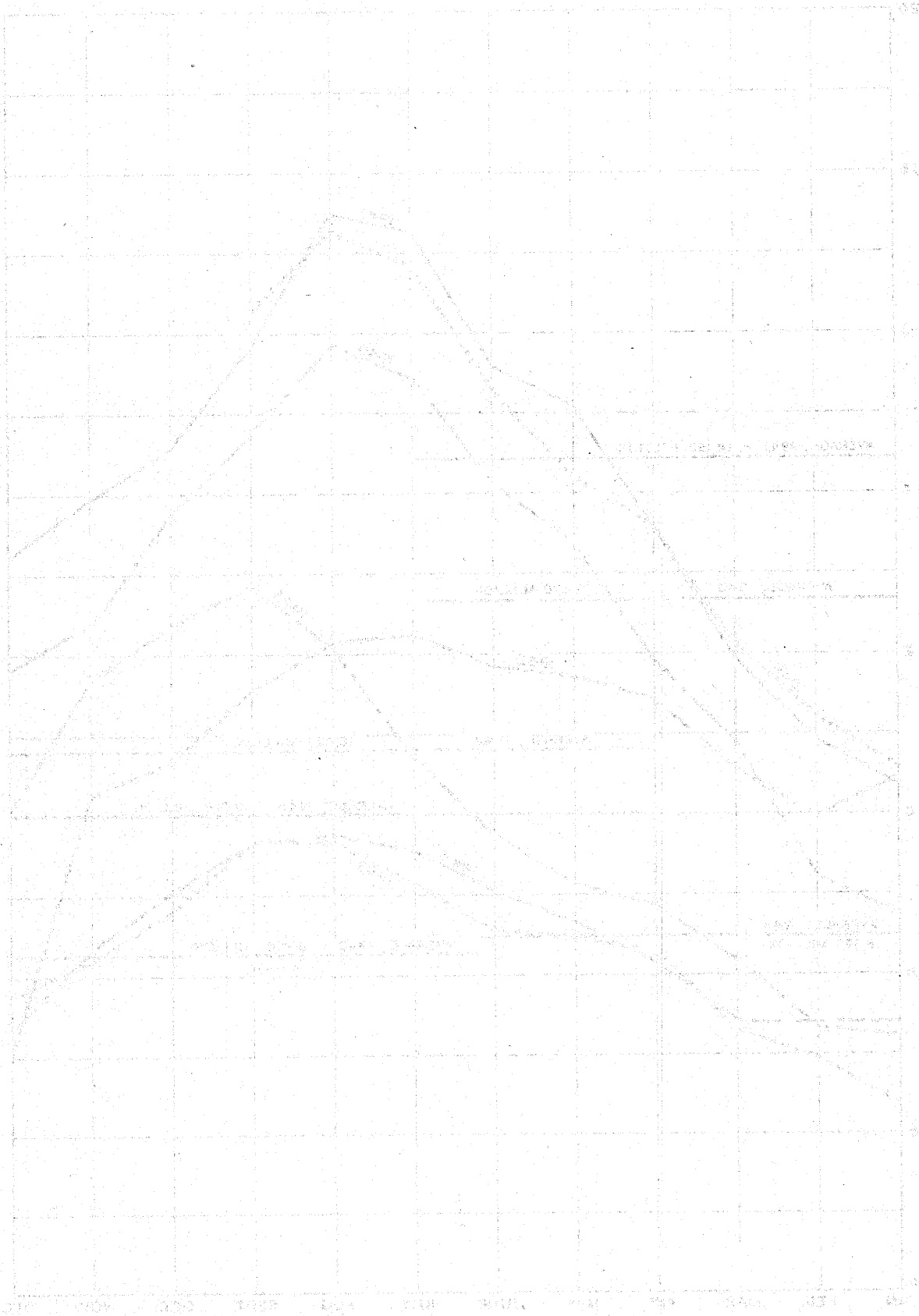


FIGURE 2.- VEHICLE-MILES OF TRAVEL ON ALL RURAL ROADS 1940 TO 1946 BY MONTHS.



PERCENTAGE OF TRUCKS ON ALL RURAL ROADS

PERCENTAGE OF TRUCKS ON ALL RURAL ROADS
1950 TO 1960 BY REGION