

PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

INFORMATIONAL MEMORANDUM

DATE: DECEMBER 31, 1946

SUBJECT: TRAFFIC VOLUME TRENDS

On the basis of preliminary estimates, total travel on rural roads in November 1946 exceeded the amount of such traffic in November 1941 by one percent. The increase on main highways was 4 percent above, while that on local roads was 8 percent below the 1941 figures.

Traffic in the two western regions was 16 percent above corresponding 1941 counts; while that in the central regions was approximately the same; and the eastern regions was 4 percent below 1941 levels. In comparison with 1945 figures, traffic in the western regions increased 14 percent, while that in the central regions increased 19 percent, and that in the eastern regions increased 26 percent.

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

6 stations in Chicago, Illinois +22.8 percent
3 stations in Columbus, Ohio +18.2 percent
3 stations in Detroit, Michigan +10.5 percent
5 stations in St. Louis, Missouri +10.3 percent
1 station in Santa Fe, New Mexico +20.6 percent
11 stations in Washington, D. C. +15.0 percent

H. S. FAIRBANK, DEPUTY COMMISSIONER,
PUBLIC ROADS ADMINISTRATION

Attachments

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

The following information was obtained from a confidential source who has provided reliable information in the past.

The following information was obtained from a confidential source who has provided reliable information in the past.

The following information was obtained from a confidential source who has provided reliable information in the past.

The following information was obtained from a confidential source who has provided reliable information in the past.

The following information was obtained from a confidential source who has provided reliable information in the past.

The following information was obtained from a confidential source who has provided reliable information in the past.

The following information was obtained from a confidential source who has provided reliable information in the past.

The following information was obtained from a confidential source who has provided reliable information in the past.

The following information was obtained from a confidential source who has provided reliable information in the past.

The following information was obtained from a confidential source who has provided reliable information in the past.

TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
NOVEMBER 1946 INCLUDING 573 STATIONS IN 41 STATES¹

P-4815

Type of highway and State	Number of stations	Percentage change from Nov. 1945	Type of highway and State	Number of stations	Percentage change from Nov. 1945
<i>STATE HIGHWAYS</i>			<i>STATE HIGHWAYS (Continued)</i>		
Alabama	8	+20.5	Utah	10	+10.0
Arizona	5	+33.2	Vermont	7	+24.7
Arkansas	10	+10.8	Washington	10	+ 8.9
California	7	+17.0	West Virginia	11	+27.0
Connecticut	16	+25.9	Wisconsin	9	+27.4
Delaware	5	+33.1	Wyoming	6	+11.7
Florida	18	+17.8			
Georgia	7	+23.2	<i>TOTAL - 41 STATES</i>	541	+19.5
Idaho	8	+ 8.8	<i>LOCAL HIGHWAYS</i>		
Illinois	5	+25.6	Alabama	1	+19.3
Iowa	26	+24.6	Connecticut	3	+29.1
Kansas	12	+14.4	Delaware	2	+17.0
Kentucky	12	+21.4	Georgia	3	+34.0
Louisiana	7	+20.7	Iowa	8	+17.7
Maine	10	+25.3	Maryland	1	+39.8
Maryland	17	+19.6	Michigan	2	+47.3
Massachusetts	8	+29.0	Missouri	2	+17.9
Michigan	26	+27.5	Montana	2	+12.8
Mississippi	10	+20.3	Nebraska	1	+20.7
Missouri	25	+ 7.9	North Dakota	2	-20.5
Montana	12	+11.2	Ohio	2	+34.4
Nebraska	11	+ 8.9	Oregon	1	+12.8
Nevada	16	+ 7.9	Rhode Island	1	+22.8
New Hampshire	13	+37.4	Wisconsin	1	+130.2
New Mexico	9	+ 7.6			
New York	1	+24.7	<i>TOTAL - 14 STATES</i>	32	+22.4
North Carolina	19	+19.6	<i>ALL HIGHWAYS</i>		
North Dakota	10	+ 6.4	<i>41 STATES</i>	573	+20.3
Ohio	20	+17.2			
Oklahoma	20	+10.3	<i>3 EASTERN REGIONS</i>	174	+25.9
Oregon	4	+29.5	<i>4 CENTRAL REGIONS</i>	309	+19.1
Pennsylvania	30	+30.0	<i>2 WESTERN REGIONS</i>	90	+14.0
Rhode Island	2	+20.1			
Tennessee	6	+15.1			
Texas	73	+12.7			

¹ Includes all States except Colorado, Indiana, Minnesota, New Jersey, South Carolina, South Dakota and Virginia.

THE UNIVERSITY OF CHICAGO LIBRARY

1950

1951

1952

1953

1954

1955

TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR OCTOBER 1946 INCLUDING 630 STATIONS IN 45 STATES¹

P-4815

Region and State	Number of stations	Percentage change from Oct. 1945	Region and State	Number of stations	Percentage change from Oct. 1945
<i>NEW ENGLAND</i>			<i>EAST SOUTH CENTRAL</i>		
Connecticut	19	+24.5	Alabama	10	+24.4
Maine	10	+26.5	Kentucky	12	+23.3
Massachusetts	9	+26.4	Mississippi	10	+27.6
New Hampshire	15	+28.8	Tennessee	6	+18.7
Rhode Island	3	+17.2	Subtotal	38	+23.8
Vermont	9	+32.6	<i>WEST SOUTH CENTRAL</i>		
Subtotal	65	+27.8	Arkansas	17	+23.2
<i>MIDDLE ATLANTIC</i>			Louisiana	6	+33.5
New York	1	+30.5	Oklahoma	20	+18.6
Pennsylvania	30	+18.3	Texas	73	+19.3
Subtotal	31	+19.4	Subtotal	116	+19.3
<i>SOUTH ATLANTIC</i>			<i>MOUNTAIN</i>		
Delaware	7	+30.6	Arizona	4	+33.2
Maryland	18	+20.3	Colorado	6	+22.1
Virginia	1	+18.0	Idaho	8	+15.3
West Virginia	11	+25.1	Montana	14	+13.2
Subtotal north portion	37	+24.0	Nevada	16	+14.5
Florida	19	+15.9	New Mexico	14	+16.3
Georgia	10	+26.9	Utah	10	+10.8
North Carolina	20	+25.1	Wyoming	6	+11.6
Subtotal south portion	49	+22.3	Subtotal	78	+17.5
Subtotal region	86	+22.5	<i>PACIFIC</i>		
<i>EAST NORTH CENTRAL</i>			California	7	+30.3
Illinois	5	+52.4	Oregon	5	+21.8
Indiana	22	+23.4	Washington	10	+9.8
Michigan	28	+34.4	Subtotal	22	+19.9
Ohio	24	+22.3	<i>TOTAL ALL STATES</i> ²	630	+25.8
Wisconsin	10	+25.1	<i>STATE HIGHWAYS</i> ²	596	+24.5
Subtotal	89	+28.1	<i>LOCAL HIGHWAYS</i>	34	+29.2
<i>WEST NORTH CENTRAL</i>			<i>3 EASTERN REGIONS</i>	182	+24.5
Iowa	34	+24.7	<i>4 CENTRAL REGIONS</i>	348	+27.5
Kansas	13	+20.2	<i>2 WESTERN REGIONS</i>	100	+23.5
Missouri	27	+17.6			
Nebraska	12	+12.6			
North Dakota	10	+0.2			
South Dakota	9	+18.4			
Subtotal	105	+18.4			

¹Combined State and local highways.

²Includes all States except the following: Minnesota, New Jersey and South Carolina.

STATE OF CALIFORNIA
 DEPARTMENT OF REVENUE
 TAXPAYER'S STATEMENT OF TAXES PAID

Year	Month	Name of Taxpayer	Address	City	County	Amount Paid	Receipt No.
1914	Jan	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12345
1914	Feb	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12346
1914	Mar	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12347
1914	Apr	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12348
1914	May	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12349
1914	Jun	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12350
1914	Jul	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12351
1914	Aug	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12352
1914	Sep	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12353
1914	Oct	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12354
1914	Nov	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12355
1914	Dec	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12356
1915	Jan	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12357
1915	Feb	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12358
1915	Mar	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12359
1915	Apr	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12360
1915	May	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12361
1915	Jun	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12362
1915	Jul	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12363
1915	Aug	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12364
1915	Sep	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12365
1915	Oct	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12366
1915	Nov	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12367
1915	Dec	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12368
1916	Jan	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12369
1916	Feb	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12370
1916	Mar	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12371
1916	Apr	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12372
1916	May	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12373
1916	Jun	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12374
1916	Jul	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12375
1916	Aug	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12376
1916	Sep	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12377
1916	Oct	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12378
1916	Nov	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12379
1916	Dec	John Doe	123 Main St	Los Angeles	Los Angeles	\$1.00	12380

TOTAL AMOUNT PAID
 \$120.00

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

P-4815

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									
4 in the New England States	57,588	51,442	6,146	+15.5	+14.8	+21.1	+6.0	+1.3	+72.2
16 in the Middle Atlantic States	10,213,302	8,803,863	1,409,439	+31.1	+31.4	+29.5	+23.3	+19.4	+54.1
Fleetwood Viaduct, Westchester County, New York	448,041	448,041	---	+35.7	+35.7	--	+29.8	+29.8	--
Pennsylvania Turnpike	189,299	148,134	41,165	+17.8	+10.8	+52.9	+4.2	-4.2	+52.7
in the South Atlantic States	385,586	306,813	78,773	+13.7	+9.9	+31.0	+8.4	+5.0	+24.0
<i>PAAL</i> - 27 facilities ¹	11,293,816	9,758,293	1,535,523	+30.3	+30.3	+30.1	+22.4	+18.8	+52.2
TOTAL - 31 facilities	12,290,170	10,654,895	1,635,275	+30.2	+30.5	+28.4			
CENTRAL REGIONS									
4 on the Great Lakes Canadian Border ²	317,841	297,984	19,857	+35.6	+36.3	+25.9	+94.9	+96.4	+74.9
1 in the Great Lakes Region	41,533	37,590	3,943	+19.4	+17.3	+43.8	+32.3	+28.6	+81.7
<i>Subtotal</i> - 5 facilities	359,374	335,574	23,800	+33.5	+33.9	+28.5	+84.8	+85.4	+76.0
5 on the Ohio River	485,778	406,196	79,582	+13.8	+13.0	+18.1	+5.1	+4.0	+10.9
1 in Kentucky	10,792	7,957	2,835	+31.8	+29.4	+39.0	+124.2	+122.3	+129.9
<i>Subtotal</i> - 7 facilities	496,570	414,153	82,417	+14.2	+13.3	+18.7	+6.3	+5.1	+12.9
7 on the Mississippi and St. Croix Rivers St. Louis and north	553,233	469,858	83,375	+25.9	+23.7	+40.3	+0.3	-0.1	+2.8
3 on the Mississippi River south of St. Louis	109,731	84,483	25,248	+19.4	+19.1	+20.6	+43.1	+47.4	+30.3
<i>Subtotal</i> - 10 facilities	662,964	554,341	108,623	+24.8	+22.9	+35.2	+5.5	+5.0	+8.1
on the Missouri River	222,479	168,471	54,008	+7.0	+7.2	+6.7	+20.9	+23.4	+13.8
in the Missouri River area	4,171	3,535	636	+18.6	+17.8	+23.5	+10.8	+14.2	-4.9
<i>Subtotal</i> - 7 facilities	226,650	172,006	54,644	+7.2	+7.4	+6.9	+20.7	+23.2	+13.6
1 on the Mexican Border	18,557	17,689	868	+21.7	+21.2	+32.7	+96.2	+92.0	+258.7
TOTAL - 30 facilities ¹	1,764,115	1,493,763	270,352	+20.7	+20.3	+22.8	+18.6	+19.3	+14.9
TOTAL - 34 facilities	1,957,499	1,651,101	306,398	+20.0	+20.1	+19.2			
WESTERN REGIONS									
2 in California	2,517,034	2,274,903	242,131	+8.0	+6.7	+21.5	+25.9	+23.6	+53.2
4 in the Oregon-Washington area	304,264	264,608	39,656	+12.4	+11.6	+18.0	+54.8	+50.0	+97.2
TOTAL - 6 facilities	2,821,298	2,539,511	281,787	+8.5	+7.2	+21.0	+28.5	+25.9	+58.2
UNITED STATES									
TOTAL - 63 facilities ¹	15,879,229	13,791,567	2,087,662	+24.7	+24.3	+27.8	+23.0	+20.1	+46.8
TOTAL - 71 facilities	17,068,967	14,845,507	2,223,460	+24.9	+24.7	+26.1			

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

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

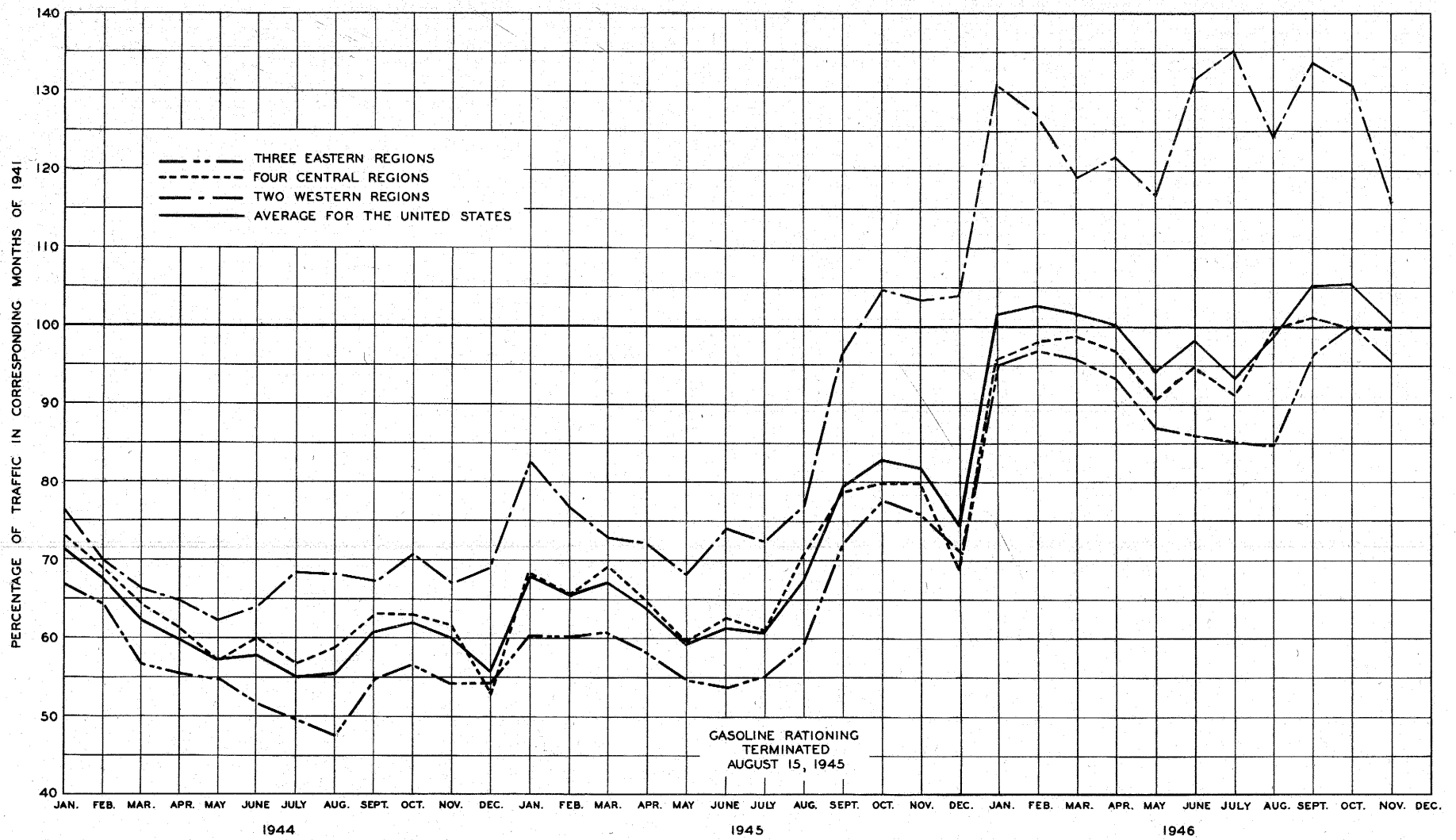
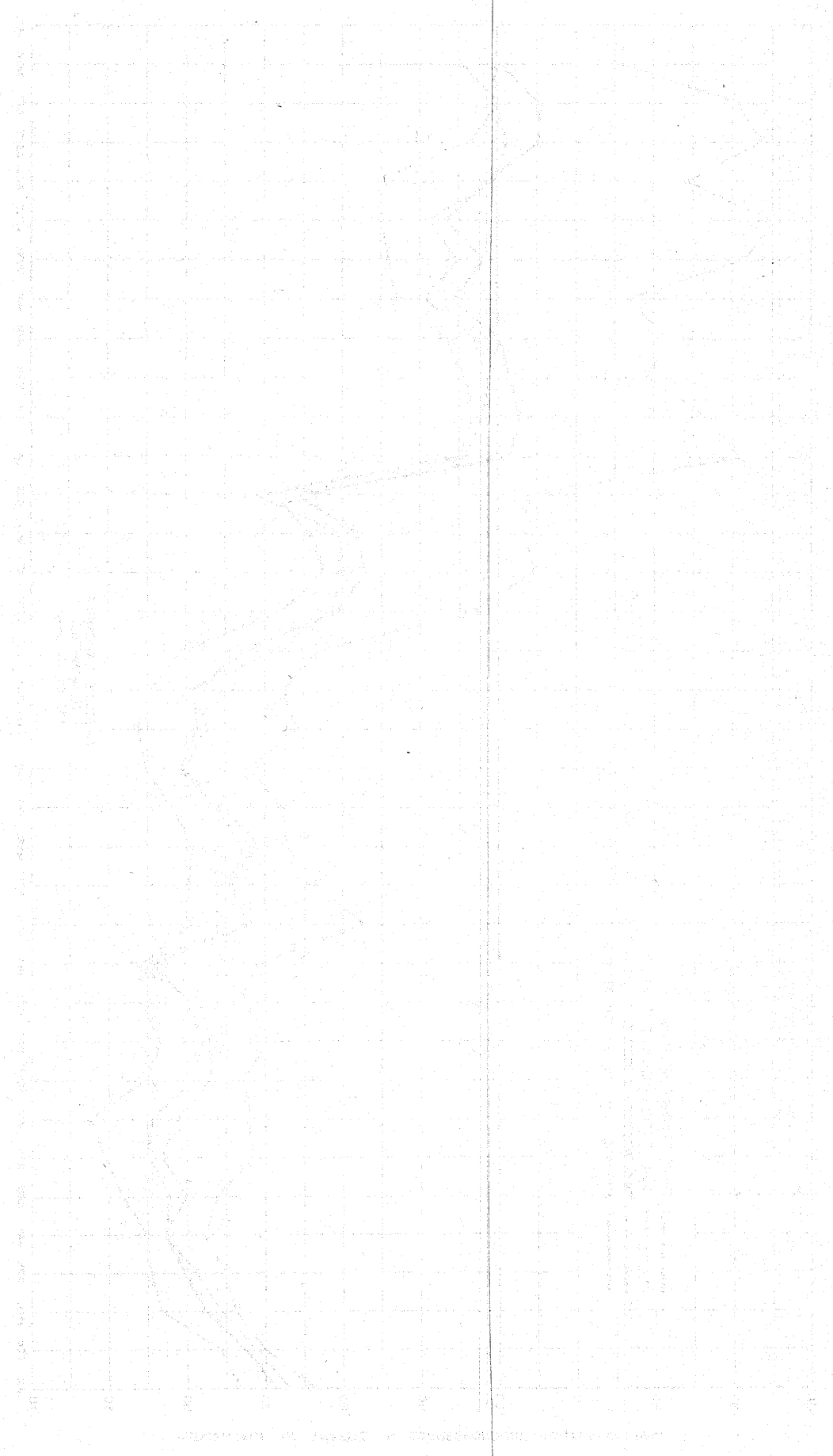


FIGURE I.- PERCENTAGE RELATIONS OF RURAL TRAFFIC IN MONTHS OF 1944, 1945 AND 1946 WITH THAT IN CORRESPONDING MONTHS OF 1941.

1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025



UNITED STATES DEPARTMENT OF COMMERCE
BUREAU OF ECONOMIC ANALYSIS

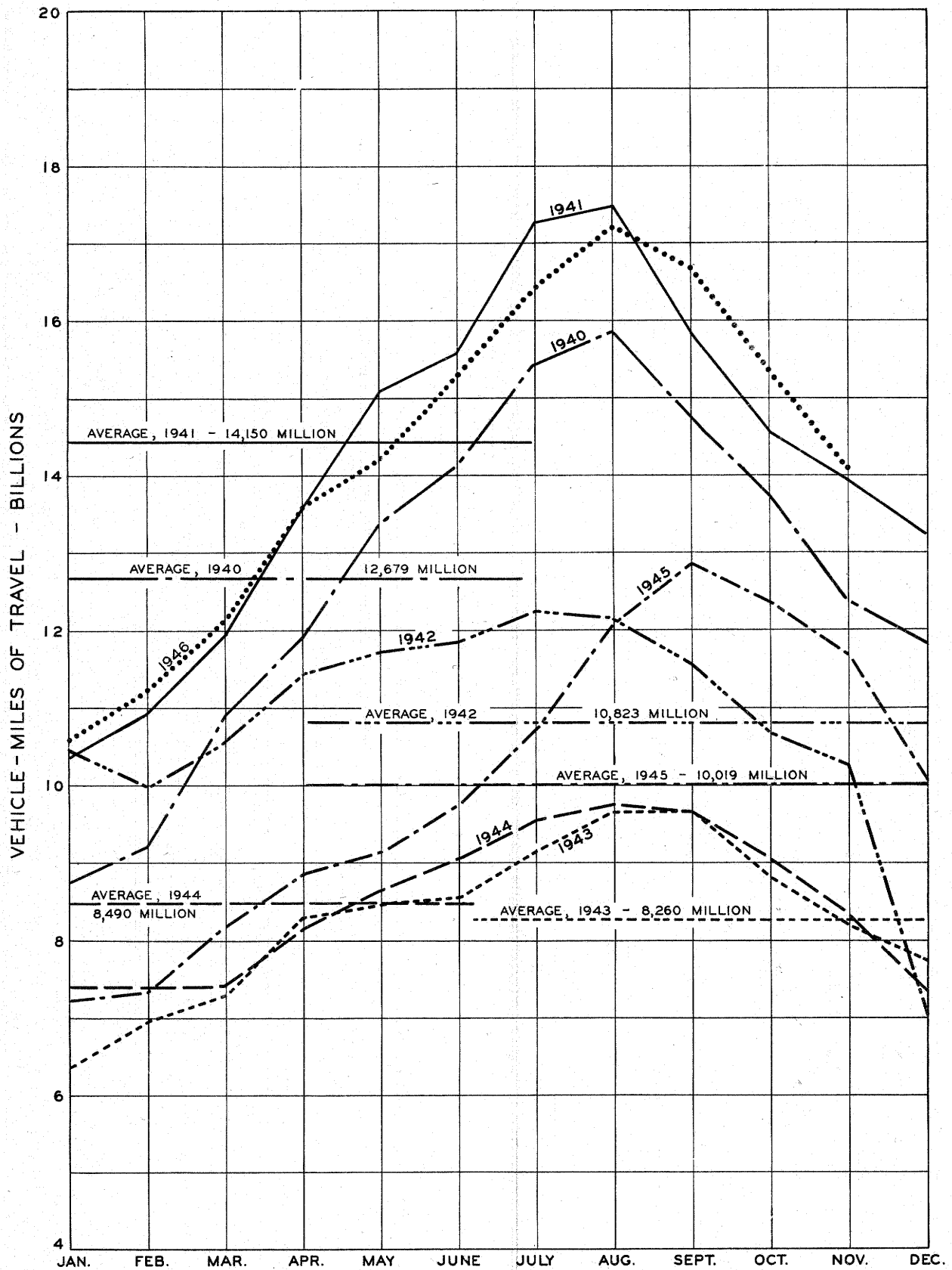
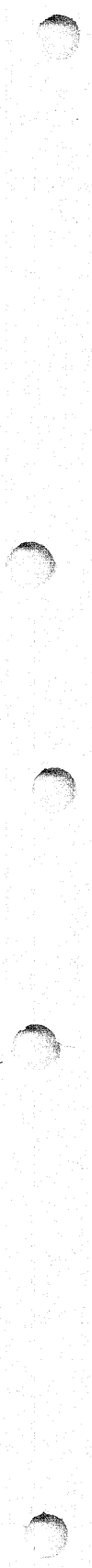
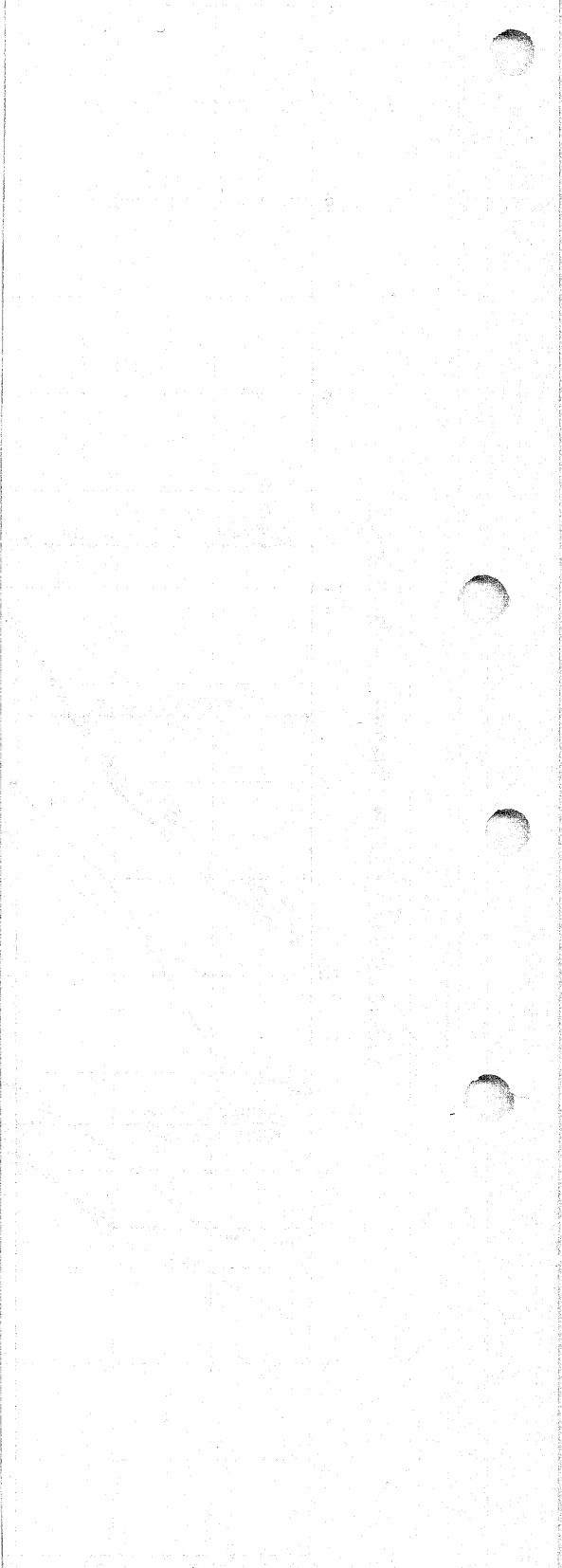


FIGURE 2.- VEHICLE-MILES OF TRAVEL ON ALL RURAL ROADS 1940 TO 1946 BY MONTHS.



2000 1000 500 0 500 1000 2000