

PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

INFORMATIONAL MEMORANDUM

DATE: JANUARY 31, 1946

SUBJECT: TRAFFIC VOLUME TRENDS

In December large increases were found on main highways compared to December 1944, although, in general, these increases were smaller than those found in the previous three months. In several States, the increases were over 50 percent.

On local roads, increases over December 1944 were found in all States from which reports were received. However, these increases were generally smaller than those on main highways.

Traffic in the two western regions was 5.2 percent below corresponding 1941 counts, that in the four central regions was 27.0 below and that in the three eastern regions 26.8 below the 1941 figures. For the United States as a whole, the traffic was 38.0 percent above the 1944 level but still 23.0 percent below that of 1941 and 12.3 percent below that of 1940. On the basis of preliminary estimates the total annual traffic was about 18 percent above the 1944 level but 29 percent below 1941 and 21 percent below that of 1940.

Comparisons of city traffic in December with corresponding traffic in December 1944 are as follows:

6 stations in Chicago, Illinois +19.6 percent
3 stations in Detroit, Michigan +14.7 percent
1 station in Santa Fe, New Mexico +30.7 percent
5 stations in St. Louis, Missouri +35.0 percent

H. S. FAIRBANK, DEPUTY COMMISSIONER
PUBLIC ROADS ADMINISTRATION

Attachments

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA
FOR DECEMBER 1945 INCLUDING 457 STATIONS IN 34 STATES¹

Type of highway and State	Number of stations	Percentage change from Dec. 1944	Type of highway and State	Number of stations	Percentage change from Dec. 1944
STATE HIGHWAYS			STATE HIGHWAYS		
Alabama	8	+23.8	(Continued)		
Arizona	5	+66.6	Washington	10	+40.5
Arkansas	10	+37.4	West Virginia	10	+54.6
California	6	+49.5	Wisconsin	9	+27.7
Colorado	5	+27.5	Wyoming	6	+51.9
Connecticut	17	+37.9			
Delaware	6	+22.8	TOTAL - 34 STATES	432	+44.1
Idaho	7	+32.1			
Illinois	4	+37.9	LOCAL HIGHWAYS		
Iowa	26	+29.1	Alabama	2	+22.1
Kansas ²	14	+9.4	Connecticut	3	+8.3
Kentucky	12	+38.8	Delaware	2	+3.1
Maine	10	+33.2	Iowa	9	+6.4
Michigan	26	+24.5	Michigan	2	+38.8
Mississippi	8	+26.4	Montana	2	+20.7
Montana	12	+19.8	Ohio	2	+14.8
Nevada	16	+49.7	Oregon	1	+55.9
New Mexico	12	+49.7	Rhode Island	1	+28.5
North Carolina	16	+41.5	Wisconsin	1	+21.2
North Dakota	8	+34.2			
Ohio	18	+52.3	TOTAL - 10 STATES	25	+22.8
Oklahoma	20	+42.4			
Oregon	4	+52.6	ALL HIGHWAYS		
Pennsylvania	29	+56.6	34 STATES	457	+38.0
Rhode Island	2	+11.2			
Tennessee	3	+58.0	3 EASTERN REGIONS	105	+45.9
Texas	74	+33.6			
Utah	10	+13.0	4 CENTRAL REGIONS	256	+31.1
Vermont	7	+55.4			
Virginia	2	+53.2	2 WESTERN REGIONS	96	+43.5

¹Includes all States except Florida, Georgia, Indiana, Louisiana, Maryland, Massachusetts, Minnesota, Missouri, Nebraska, New Hampshire, New Jersey, New York, South Carolina, and South Dakota.

²Abnormal conditions in 1944 or 1945 affected 1 count in Kansas, excluding station 10, the increase is 27.9 percent.

UNITED STATES DEPARTMENT OF COMMERCE
BUREAU OF ECONOMIC ANALYSIS

Year	Value	Country	Value	Country	Type of Goods
1937	100	Canada	100	Canada	Raw Materials
1938	100	Canada	100	Canada	Raw Materials
1939	100	Canada	100	Canada	Raw Materials
1940	100	Canada	100	Canada	Raw Materials
1941	100	Canada	100	Canada	Raw Materials
1942	100	Canada	100	Canada	Raw Materials
1943	100	Canada	100	Canada	Raw Materials
1944	100	Canada	100	Canada	Raw Materials
1945	100	Canada	100	Canada	Raw Materials
1946	100	Canada	100	Canada	Raw Materials
1947	100	Canada	100	Canada	Raw Materials
1948	100	Canada	100	Canada	Raw Materials
1949	100	Canada	100	Canada	Raw Materials
1950	100	Canada	100	Canada	Raw Materials
1951	100	Canada	100	Canada	Raw Materials
1952	100	Canada	100	Canada	Raw Materials
1953	100	Canada	100	Canada	Raw Materials
1954	100	Canada	100	Canada	Raw Materials
1955	100	Canada	100	Canada	Raw Materials
1956	100	Canada	100	Canada	Raw Materials
1957	100	Canada	100	Canada	Raw Materials
1958	100	Canada	100	Canada	Raw Materials
1959	100	Canada	100	Canada	Raw Materials
1960	100	Canada	100	Canada	Raw Materials

The data in this table are based on the best available information and are subject to revision as more complete data become available. The figures are in millions of dollars unless otherwise indicated.

TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
NOVEMBER 1945 INCLUDING 620 STATIONS IN 45 STATES¹

Region and State	Number of stations	Percentage change from Nov. 1944	Region and State	Number of stations	Percentage change from Nov. 1944
NEW ENGLAND			EAST SOUTH CENTRAL		
Connecticut	20	+56.7	Alabama	10	+29.4
Maine	10	+38.7	Kentucky	12	+53.8
Massachusetts	8	+33.6	Mississippi	10	+34.6
New Hampshire	15	+52.5	Tennessee	7	+36.3
Rhode Island	3	+19.4	Subtotal	39	+38.8
Vermont	9	+53.4	WEST SOUTH CENTRAL		
Subtotal	65	+47.2	Arkansas	13	+44.4
MIDDLE ATLANTIC			Oklahoma	20	+48.1
New York	3	+60.2	Texas	73	+32.1
Pennsylvania	29	+29.0	Subtotal	106	+35.9
Subtotal	32	+33.0	MOUNTAIN		
SOUTH ATLANTIC			Arizona	5	+56.9
Delaware	8	+31.3	Colorado	6	+35.0
Maryland	18	+36.7	Idaho	8	+32.2
Virginia	2	+37.4	Montana	14	+31.7
West Virginia	11	+39.8	Nevada	16	+60.3
Subtotal north portion	39	+36.3	New Mexico	12	+43.2
Florida	17	+40.8	Utah	9	+29.2
Georgia	11	+41.0	Wyoming	5	+58.1
North Carolina	20	+46.6	Subtotal	75	+40.8
South Carolina	1	+38.6	PACIFIC		
Subtotal south portion	49	+43.4	California	6	+82.4
Subtotal region	88	+40.2	Oregon	5	+51.9
EAST NORTH CENTRAL			Washington	10	+42.7
Illinois	5	+29.2	Subtotal	21	+57.8
Indiana	22	+41.5	TOTAL ALL STATES²	620	+40.0
Michigan	28	+33.0	STATE HIGHWAYS²	584	+46.4
Ohio	23	+37.9	LOCAL HIGHWAYS	36	+24.4
Wisconsin	10	+26.8	3 EASTERN REGIONS	185	+38.4
Subtotal	88	+34.9	4 CENTRAL REGIONS	339	+37.1
WEST NORTH CENTRAL			2 WESTERN REGIONS	96	+52.0
Iowa	34	+35.7			
Kansas ³	13	+19.7			
Missouri	27	+45.7			
Nebraska	12	+52.5			
North Dakota	10	+50.4			
South Dakota	10	+45.2			
Subtotal	106	+40.8			

¹Combined State and local highways.

²Includes all States except the following Louisiana, Minnesota, and New Jersey.

³Abnormal conditions in 1944 or 1945 affected 1 count in Kansas, excluding station 10, the increase is 42.6 percent.

STATE OF CALIFORNIA
DEPARTMENT OF REVENUE

Year	Month	Amount	Description	Category	Code
1957	12	100.00	...	...	...
1957	11	100.00	...	...	...
1957	10	100.00	...	...	...
1957	9	100.00	...	...	...
1957	8	100.00	...	...	...
1957	7	100.00	...	...	...
1957	6	100.00	...	...	...
1957	5	100.00	...	...	...
1957	4	100.00	...	...	...
1957	3	100.00	...	...	...
1957	2	100.00	...	...	...
1957	1	100.00	...	...	...
1956	12	100.00	...	...	...
1956	11	100.00	...	...	...
1956	10	100.00	...	...	...
1956	9	100.00	...	...	...
1956	8	100.00	...	...	...
1956	7	100.00	...	...	...
1956	6	100.00	...	...	...
1956	5	100.00	...	...	...
1956	4	100.00	...	...	...
1956	3	100.00	...	...	...
1956	2	100.00	...	...	...
1956	1	100.00	...	...	...
1955	12	100.00	...	...	...
1955	11	100.00	...	...	...
1955	10	100.00	...	...	...
1955	9	100.00	...	...	...
1955	8	100.00	...	...	...
1955	7	100.00	...	...	...
1955	6	100.00	...	...	...
1955	5	100.00	...	...	...
1955	4	100.00	...	...	...
1955	3	100.00	...	...	...
1955	2	100.00	...	...	...
1955	1	100.00	...	...	...

TOTAL

1957 12 100.00

1956 12 100.00

1955 12 100.00

TABLE 3.--NUMBER OF VEHICLES, CLASSIFIED BY TYPES, USING TOLL FACILITIES IN DECEMBER 1945 COMPARED WITH THOSE IN DECEMBER 1944 AND 1941

Facilities	1945			Percentage change from 1944			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	31,328	28,355	2,973	+14.0	+13.6	+17.9	-14.9	-15.9	- 2.9
15 in the Middle Atlantic States	6,254,327	5,274,645	979,682	+24.7	+25.8	+ 4.8	-15.7	-19.5	+ 1.8
Fleetwood Viaduct, Westchester County, New York	249,401	249,401	---	+79.5	+79.5	--	-28.9	-28.9	--
Pennsylvania Turnpike	130,230	106,180	24,050	+89.2	+129.7	+ 6.3	-14.9	-16.1	- 8.9
6 in the South Atlantic States	307,657	255,366	52,291	+42.0	+56.6	- 2.2	-11.6	-10.5	-16.6
TOTAL -26 facilities¹	6,972,943	5,913,947	1,058,996	+27.6	+32.8	+ 4.5	-17.0	-19.5	+ 0.4
TOTAL -30 facilities	7,625,653	6,483,237	1,142,416	+27.2	+32.8	+ 4.8			
CENTRAL REGIONS									
4 on the Great Lakes Canadian Border ²	273,086	232,095	40,991	+32.9	+37.6	+11.8	+40.0	+35.5	+72.7
2 in the Great Lakes Region	60,070	45,894	14,176	+41.6	+78.1	-14.9	- 3.0	- 9.8	+25.1
<i>Subtotal - 6 facilities</i>	<i>333,156</i>	<i>277,989</i>	<i>55,167</i>	<i>+34.4</i>	<i>+43.0</i>	<i>+ 3.2</i>	<i>+39.0</i>	<i>+23.3</i>	<i>+57.8</i>
9 facilities on the Ohio River ³	724,970	618,098	106,872	+11.7	+13.0	+ 4.8	-17.6	-18.5	-11.6
2 in Kentucky	19,490	14,238	5,252	+34.1	+39.7	+21.1	+41.5	+41.8	+40.7
<i>Subtotal - 11 facilities</i>	<i>744,460</i>	<i>632,336</i>	<i>112,124</i>	<i>+12.8</i>	<i>+13.5</i>	<i>+ 5.5</i>	<i>-16.6</i>	<i>-17.7</i>	<i>-10.0</i>
10 on the Mississippi and St. Croix Rivers St. Louis and North	870,627	699,324	171,303	+21.0	+28.7	- 2.9	-35.7	-35.1	-38.4
4 on the Mississippi River south of St. Louis	139,430	111,775	27,655	+40.1	+43.7	+27.2	+17.2	+19.2	+ 9.6
<i>Subtotal - 14 facilities</i>	<i>1,010,057</i>	<i>811,099</i>	<i>198,958</i>	<i>+23.3</i>	<i>+30.0</i>	<i>+ 0.4</i>	<i>-31.5</i>	<i>-30.7</i>	<i>-34.4</i>
5 on the Missouri River	356,774	292,400	64,374	+21.4	+24.8	+ 8.1	+ 3.2	- 1.8	- 9.2
1 in the Missouri River area	949	618	331	+49.2	+58.1	+35.1	+ 2.7	-13.6	+58.4
<i>Subtotal - 6 facilities</i>	<i>357,723</i>	<i>293,018</i>	<i>64,705</i>	<i>+21.5</i>	<i>+24.9</i>	<i>+ 8.2</i>	<i>+ 3.2</i>	<i>- 1.8</i>	<i>- 9.0</i>
3 on the Mexican Border	73,863	65,940	7,923	+32.2	+45.2	-24.2			
TOTAL - 37 facilities¹	2,445,396	2,014,442	430,954	+20.8	+25.3	+ 3.2	-18.3	-18.1	-19.3
TOTAL - 42 facilities	2,647,362	2,180,926	466,436	+21.7	+26.1	+ 4.7			
WESTERN REGIONS									
1 in California	1,862,953	1,710,935	152,018	+27.8	+31.8	- 5.1	+19.0	+19.4	+15.0
5 in the Oregon-Washington Area	301,010	265,548	35,462	+50.7	+56.6	+17.5	+49.0	+48.1	+56.5
TOTAL - 6 facilities	2,163,963	1,976,483	187,480	+30.5	+34.7	- 1.6	+22.5	+22.6	+21.1
UNITED STATES									
TOTAL - 69 facilities¹	11,582,302	9,904,872	1,677,430	+26.6	+31.6	+ 3.4	-12.0	-13.3	- 3.8
TOTAL - 78 facilities	12,436,978	10,640,646	1,796,332	+26.5	+31.4	+ 3.8			

¹These facilities have comparative data for 1945, 1944, 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.

³Five of these facilities are between Ohio and West Virginia.

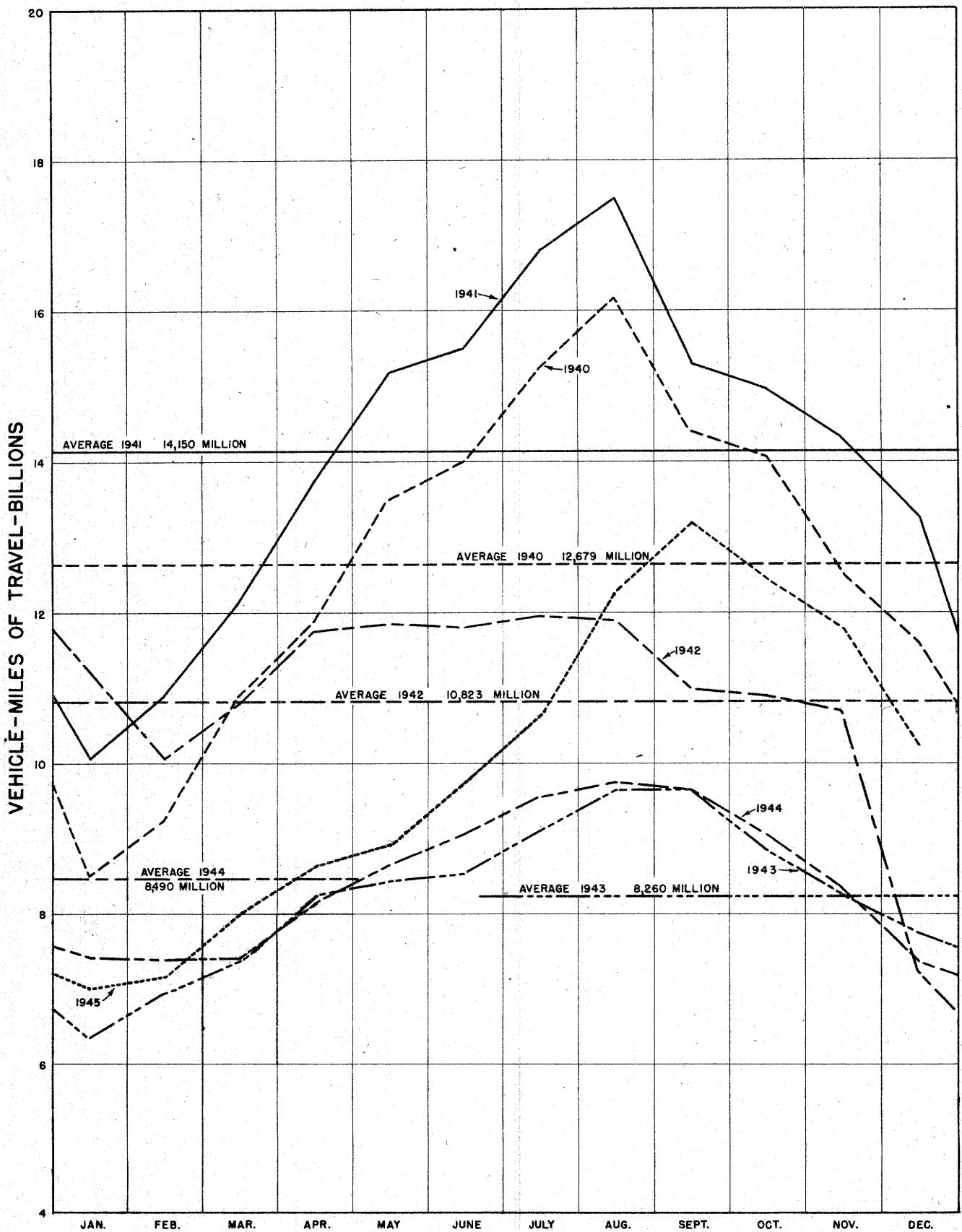
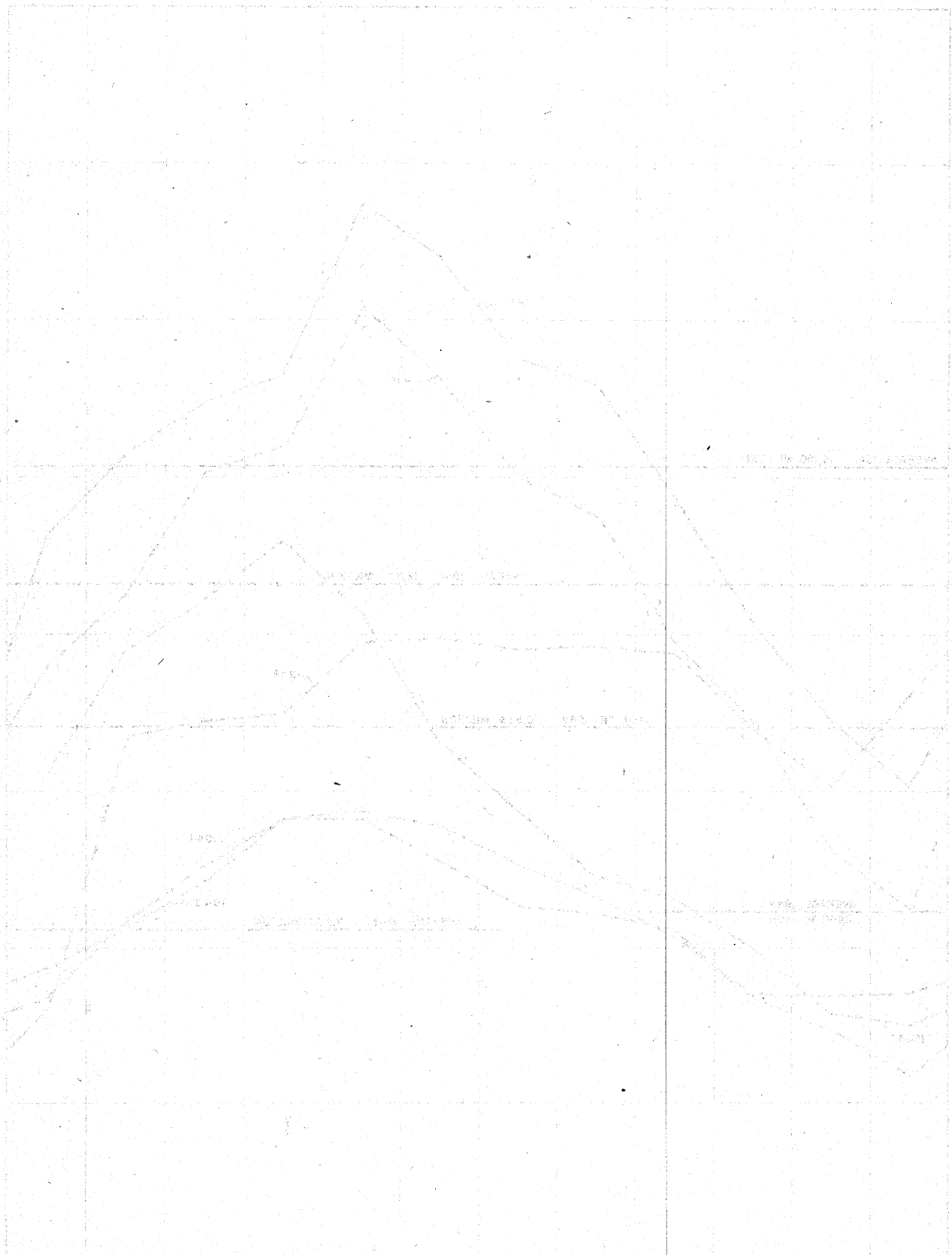


FIGURE I - VEHICLE-MILES OF TRAVEL ON ALL RURAL ROADS 1940 TO 1945 BY MONTHS.

REPORT MADE BY JAMES S. BROWN



PROFILES AND ELEVATIONS OF TRAVEL ON ALL CLIPED ROADS
AND TO BE USED BY ROUTES

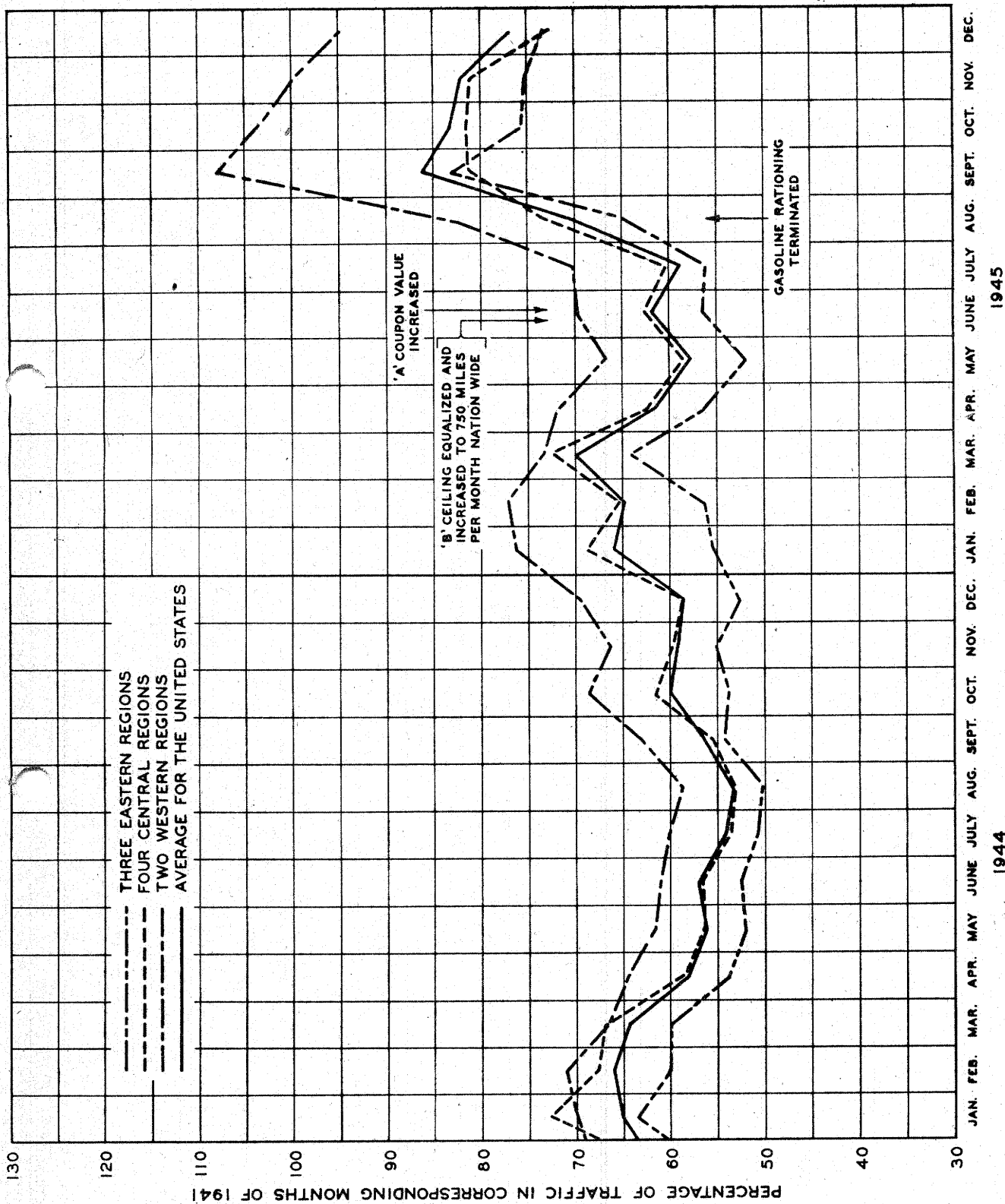
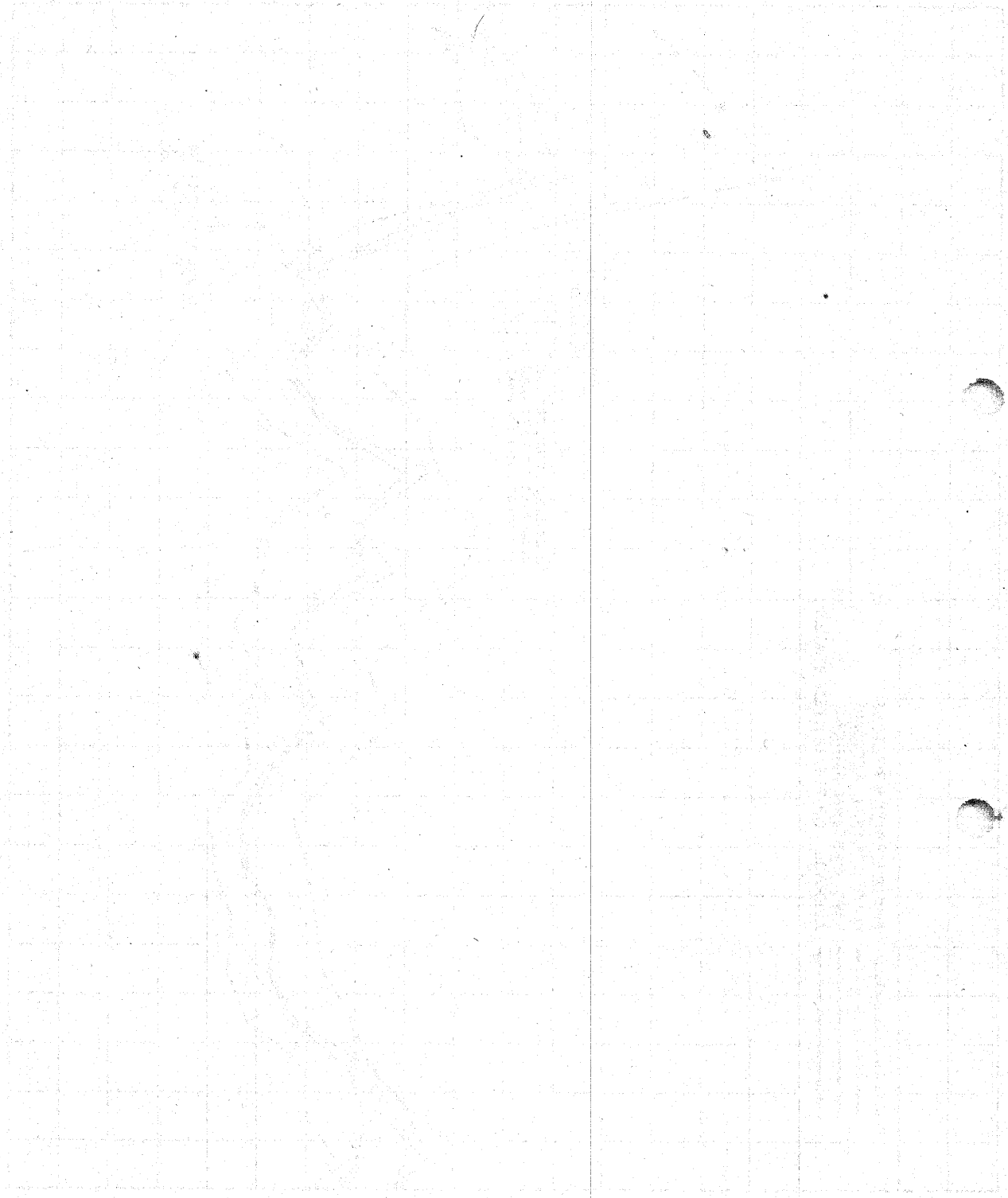


FIGURE 2.- PERCENTAGE RELATIONS OF RURAL TRAFFIC IN MONTHS OF 1944 AND 1945 WITH THAT IN CORRESPONDING MONTHS OF 1941



Copyright © 1998 by The McGraw-Hill Companies, Inc. All rights reserved.