

PUBLIC ROADS ADMINISTRATION  
FEDERAL WORKS AGENCY

INFORMATIONAL MEMORANDUM

DATE: NOVEMBER 30, 1945

SUBJECT: TRAFFIC VOLUME TRENDS

In October large traffic increases were found on all main highways compared to October 1944, although they were not as large as those found in the previous month. The larger increases were in widely separated States whereas previously they were concentrated in the west. In Nevada, Virginia, New Jersey, Oregon and Connecticut increases of 60 percent or more were noted.

On local roads increases in October traffic were found at all points except one in Nebraska and two in North Dakota. In general, however, these increases were smaller than those on main highways.

Traffic on all rural roads in the two western regions was 5.4 percent above corresponding 1941 counts while that in the four central regions was 18.0 percent below and that in the three eastern regions 24.4 percent below the 1941 figures. For the United States as a whole, the traffic was 36.0 percent above the 1944 levels but still 17 percent below that of 1941.

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

- 6 stations in Chicago, Illinois +19.9 percent.
- 3 stations in Detroit, Michigan + 3.5 percent.
- 1 station in Santa Fe, New Mexico +16.4 percent.

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

Attachments



TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR  
OCTOBER 1945 INCLUDING 523 STATIONS IN 40 STATES<sup>1</sup>

Type of highway and State	Number of stations	Percentage change from Oct. 1944	Type of highway and State	Number of stations	Percentage change from Oct. 1944
<b>STATE HIGHWAYS</b>			<b>STATE HIGHWAYS</b>		
Alabama	8	+23.5	(Continued)		
Arizona	5	+56.0	Virginia	1	+66.9
Arkansas	20	+39.2	Washington	10	+48.4
Colorado	3	+25.1	West Virginia	10	+29.8
Connecticut	17	+59.9	Wisconsin	9	+33.9
Delaware	6	+30.5	Wyoming	5	+53.5
Georgia	7	+34.7			
Idaho	8	+36.4	<b>TOTAL - 40 STATES</b>	<b>492</b>	<b>+40.9</b>
Illinois	5	+22.3			
Iowa	25	+42.1	<b>LOCAL HIGHWAYS</b>		
Kansas	14	+7.0	Alabama	2	+14.6
Kentucky	11	+45.3	Connecticut	3	+20.7
Maine	10	+37.1	Georgia	4	+28.1
Michigan	26	+22.2	Iowa	9	+19.6
Mississippi	10	+29.5	Michigan	2	+33.7
Montana	12	+35.8	Montana	2	+31.3
Nebraska	11	+47.6	Nebraska	1	- 2.8
Nevada	16	+67.4	North Dakota	2	- 1.7
New Hampshire	15	+54.9	Ohio	1	+10.5
New Jersey	1	+61.7	Oregon	1	+37.7
New Mexico	12	+40.6	Rhode Island	1	+15.8
New York	2	+56.1	Tennessee	2	+27.2
North Carolina	20	+38.3	Wisconsin	1	+31.0
North Dakota	10	+55.0			
Ohio	21	+31.9	<b>TOTAL - 13 STATES</b>	<b>31</b>	<b>+24.7</b>
Oklahoma	20	+37.8			
Oregon	3	+60.8	<b>ALL HIGHWAYS</b>		
Pennsylvania	29	+35.2	<b>40 STATES</b>	<b>523</b>	<b>+36.0</b>
Rhode Island	2	+28.9			
South Carolina	4	+24.0	<b>3 EASTERN REGIONS</b>	<b>139</b>	<b>+38.3</b>
South Dakota	10	+58.2	<b>4 CENTRAL REGIONS</b>	<b>299</b>	<b>+30.4</b>
Tennessee	6	+33.1	<b>2 WESTERN REGIONS</b>	<b>85</b>	<b>+48.3</b>
Texas	23	+24.5			
Utah	8	+41.6			
Vermont	7	+40.5			

<sup>1</sup>Includes all States except California, Florida, Indiana, Louisiana, Maryland, Massachusetts, Minnesota, and Missouri.

Date	Description	Debit	Credit	Balance	Remarks
1912	Jan 1				Balance forward
1912	Jan 15	100.00		100.00	Payment
1912	Jan 30		50.00	50.00	Receipt
1912	Feb 15	200.00		250.00	Payment
1912	Feb 28		75.00	175.00	Receipt
1912	Mar 15	150.00		325.00	Payment
1912	Mar 31		100.00	225.00	Receipt
1912	Apr 15	300.00		525.00	Payment
1912	Apr 30		150.00	375.00	Receipt
1912	May 15	250.00		625.00	Payment
1912	May 31		200.00	425.00	Receipt
1912	Jun 15	400.00		825.00	Payment
1912	Jun 30		300.00	525.00	Receipt
1912	Jul 15	350.00		875.00	Payment
1912	Jul 31		250.00	625.00	Receipt
1912	Aug 15	200.00		825.00	Payment
1912	Aug 31		150.00	675.00	Receipt
1912	Sep 15	100.00		775.00	Payment
1912	Sep 30		100.00	675.00	Receipt
1912	Oct 15	50.00		725.00	Payment
1912	Oct 31		50.00	675.00	Receipt
1912	Nov 15	20.00		655.00	Payment
1912	Nov 30		20.00	635.00	Receipt
1912	Dec 15	10.00		625.00	Payment
1912	Dec 31		10.00	615.00	Receipt
1913	Jan 1			615.00	Balance forward

TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR  
SEPTEMBER 1945 INCLUDING 620 STATIONS IN 47 STATES<sup>1</sup>

Region and State	Number of stations	Percentage change from Sept. 1944	Region and State	Number of stations	Percentage change from Sept. 1944
<b>NEW ENGLAND</b>			<b>EAST SOUTH CENTRAL</b>		
Connecticut	20	+53.8	Alabama	9	+18.8
Maine	10	+45.6	Kentucky	11	+39.6
Massachusetts	9	+37.6	Mississippi	10	+27.0
New Hampshire	15	+63.4	Tennessee	7	+43.8
Rhode Island	4	+24.0	Subtotal	37	+31.8
Vermont	9	+67.7			
Subtotal	67	+50.1	<b>WEST SOUTH CENTRAL</b>		
<b>MIDDLE ATLANTIC</b>			Arkansas	21	+43.1
New Jersey	1	+45.1	Oklahoma	20	+30.8
New York	3	+51.9	Texas	72	+23.2
Pennsylvania	29	+36.4	Subtotal	113	+26.5
Subtotal	33	+38.8			
<b>SOUTH ATLANTIC</b>			<b>MOUNTAIN</b>		
Delaware	8	+25.6	Arizona	5	+41.4
Maryland	18	+33.8	Colorado	5	+39.6
Virginia	3	+37.0	Idaho <sup>3</sup>	7	+34.1
West Virginia	10	+35.7	Montana	14	+38.3
Subtotal north portion	39	+32.9	Nevada	16	+72.7
Florida	18	+35.7	New Mexico <sup>3</sup>	12	+47.4
Georgia	11	+33.2	Utah	9	+30.8
North Carolina	20	+35.0	Wyoming	4	+40.2
South Carolina	3	+18.0	Subtotal	72	+42.7
Subtotal south portion	52	+33.7			
Subtotal region	91	+33.3	<b>PACIFIC</b>		
<b>EAST NORTH CENTRAL</b>			California	7	+63.9
Illinois	4	+18.2	Oregon <sup>3</sup>	5	+76.3
Indiana	22	+41.5	Washington	10	+48.8
Michigan	28	+28.1	Subtotal	22	+58.6
Ohio	20	+29.4			
Wisconsin	10	+39.9	<b>TOTAL ALL STATES<sup>2</sup></b>	620	+37.2
Subtotal	84	+32.1			
<b>WEST NORTH CENTRAL</b>			<b>STATE HIGHWAYS<sup>2</sup></b>	587	+43.7
Iowa	35	+35.5			
Kansas	12	+16.2	<b>LOCAL HIGHWAYS</b>	33	+21.1
Missouri	23	+41.0			
Nebraska	11	+38.7	<b>3 EASTERN REGIONS</b>	191	+37.8
North Dakota	10	+45.8			
South Dakota	10	+36.1	<b>4 CENTRAL REGIONS</b>	335	+31.5
Subtotal	101	+35.9			
			<b>2 WESTERN REGIONS</b>	94	+53.2

<sup>1</sup>Combined State and local highways.

<sup>2</sup>Includes all States except Minnesota.

<sup>3</sup>Abnormal conditions in 1944 or 1945 affected 3 counts in the following States: Idaho, excluding station 7, the increase is 57.0 percent. New Mexico, excluding station 12, the increase is 36.2 percent. Oregon, excluding station 2, the increase is 67.5 percent.

STATE OF TEXAS  
COMMISSIONERS OF THE GENERAL LAND OFFICE

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

This is to certify that the above is a true and correct copy of the original records of the General Land Office of the State of Texas, as the same appear in the files of said office, and that the same have been compared with the original records and found to be correct.

COMMISSIONER OF THE GENERAL LAND OFFICE

TABLE 3.--NUMBER OF VEHICLES, CLASSIFIED BY TYPES, USING TOLL FACILITIES IN OCTOBER 1945  
COMPARED WITH THOSE IN OCTOBER 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
<b>EASTERN REGIONS</b>									
3 in the New England States	47,330	43,635	3,695	+42.1	+44.3	+21.1	- 9.4	-10.5	+ 6.5
16 in the Middle Atlantic States	8,174,082	7,027,479	1,146,603	+37.4	+43.8	+ 8.2	- 6.1	- 7.9	+ 6.3
1 Fleetwood Viaduct, Westchester County, New York	373,728	373,728	---	+113.6	+113.6	---	+ 6.9	+ 6.9	---
1 Pennsylvania Turnpike	189,267	158,136	31,131	+99.2	+139.5	+ 7.4	-12.2	-14.0	- 1.6
6 in the South Atlantic States	600,556	526,366	74,190	+38.0	+41.4	+18.1	+18.6	+21.8	- 0.3
TOTAL - 27 facilities <sup>1</sup>	9,384,963	8,129,344	1,255,619	+40.3	+46.9	+ 8.7	- 4.5	- 5.9	+ 5.7
TOTAL - 32 facilities	10,171,344	8,815,991	1,355,353	+39.5	+45.9	+ 8.5			
<b>CENTRAL REGIONS</b>									
3 on the Great Lakes Canadian Border <sup>2</sup>	236,110	224,524	11,586	+99.3	+109.9	+ 1.0	+190.0	+198.3	+88.7
2 in the Great Lakes Region	95,440	75,809	19,631	+47.2	+66.8	+ 1.3	+ 5.5	- 3.2	+61.6
Subtotal - 5 facilities	331,550	300,333	31,217	+80.9	+97.0	+ 1.2	+92.9	+95.5	+70.7
8 on the Ohio River <sup>3</sup>	812,783	694,138	118,645	+13.7	+15.0	+ 6.7	-11.5	-11.9	- 8.8
2 in Kentucky	21,785	15,398	6,387	+34.5	+36.8	+29.2	+48.0	+46.9	+50.8
Subtotal - 10 facilities	834,568	709,536	125,032	+14.2	+15.4	+ 7.7	-10.5	-11.1	- 6.9
8 on the Mississippi and St. Croix Rivers St. Louis and North	1,051,891	850,395	201,496	+18.0	+23.2	+ 0.3	-29.0	-28.9	-29.0
4 on the Mississippi River south of St. Louis	133,233	103,276	29,957	+24.8	+32.4	+ 4.4	+25.7	+35.4	+ 0.9
Subtotal - 12 facilities	1,185,124	953,671	231,453	+18.7	+24.1	+ 0.8	-25.3	-25.1	-28.2
2 on the Missouri River	135,927	107,943	27,984	+29.7	+30.9	+25.1	+22.3	+25.7	+10.9
1 in the Missouri River area	2,474	2,040	434	+76.0	+101.0	+11.0	+30.3	+21.4	+99.1
Subtotal - 3 facilities	138,401	109,983	28,418	+30.3	+31.8	+24.9	+22.5	+25.6	+11.7
on the Mexican Border	56,338	50,022	6,316	+13.2	+24.9	-35.1			
TOTAL - 30 facilities <sup>1</sup>	2,489,643	2,073,523	416,120	+23.3	+28.1	+4.2	-11.2	-10.3	-15.3
TOTAL - 36 facilities	2,744,217	2,282,846	461,371	+23.4	+28.2	+4.4			
<b>WESTERN REGIONS</b>									
1 in California	1,987,174	1,815,905	171,269	+35.7	+39.7	+ 3.9	+16.7	+16.1	+24.5
4 in the Oregon-Washington area	324,242	283,307	40,935	+53.6	+59.4	+22.6	+52.7	+50.8	+67.5
TOTAL - 5 facilities	2,311,416	2,099,212	212,204	+37.9	+42.1	+ 7.0	+20.7	+19.8	+31.0
<b>UNITED STATES</b>									
TOTAL - 62 facilities <sup>1</sup>	14,186,022	12,302,079	1,883,943	+36.6	+42.6	+ 7.5	- 2.5	- 3.2	+ 2.3
TOTAL - 73 facilities	15,226,977	13,198,049	2,028,928	+36.0	+41.9	+ 7.4			
<b>SUPPLEMENTAL DATA</b>									
1 facility reporting only total traffic	139,143			-10.2					

<sup>1</sup>These facilities have comparative data for 1945, 1944, and 1941 and are included in the larger total below.

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

<sup>3</sup>Four of these facilities are between Ohio and West Virginia.





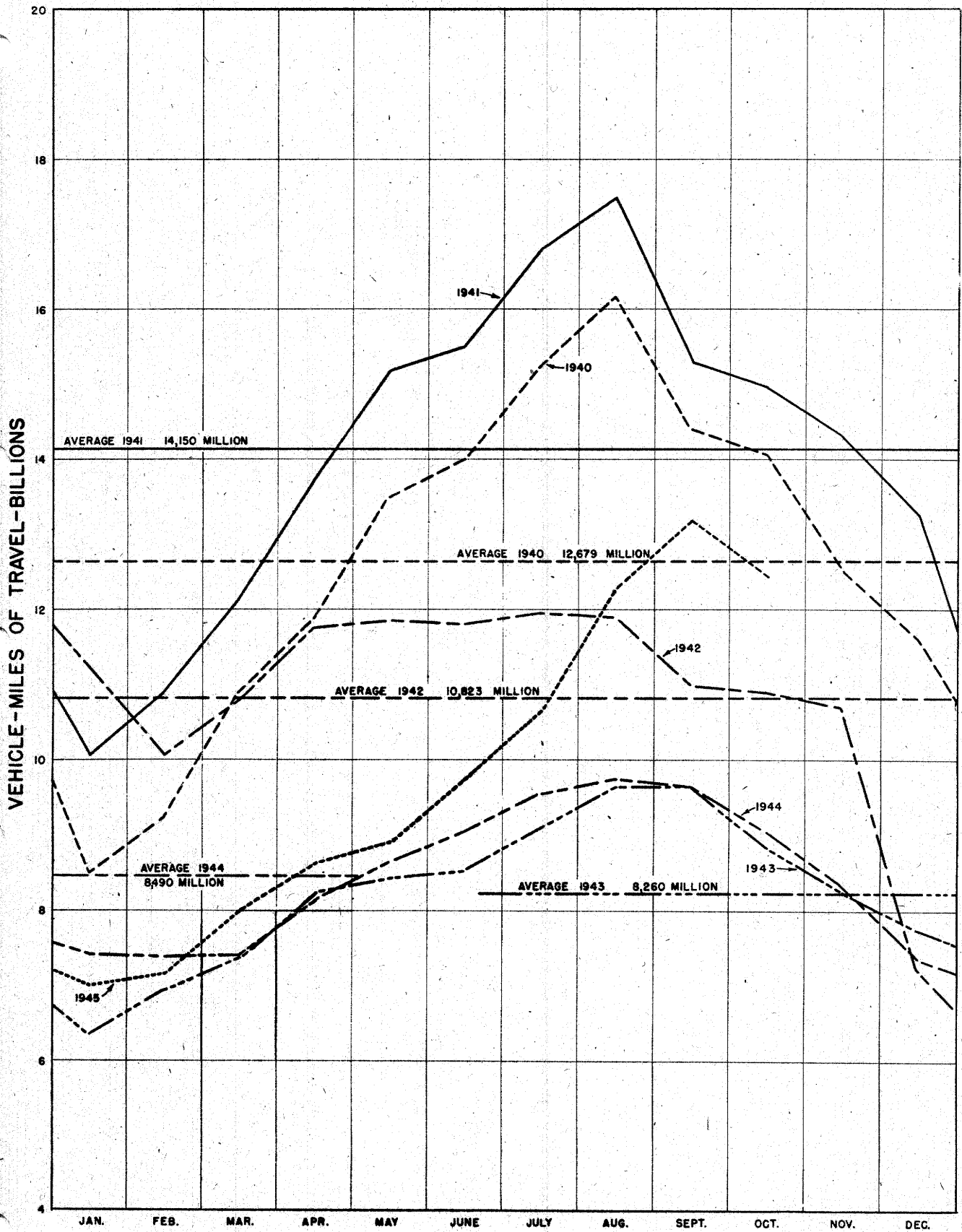


FIGURE I.—VEHICLE-MILES OF TRAVEL ON ALL RURAL ROADS  
1940 TO 1945 BY MONTHS.



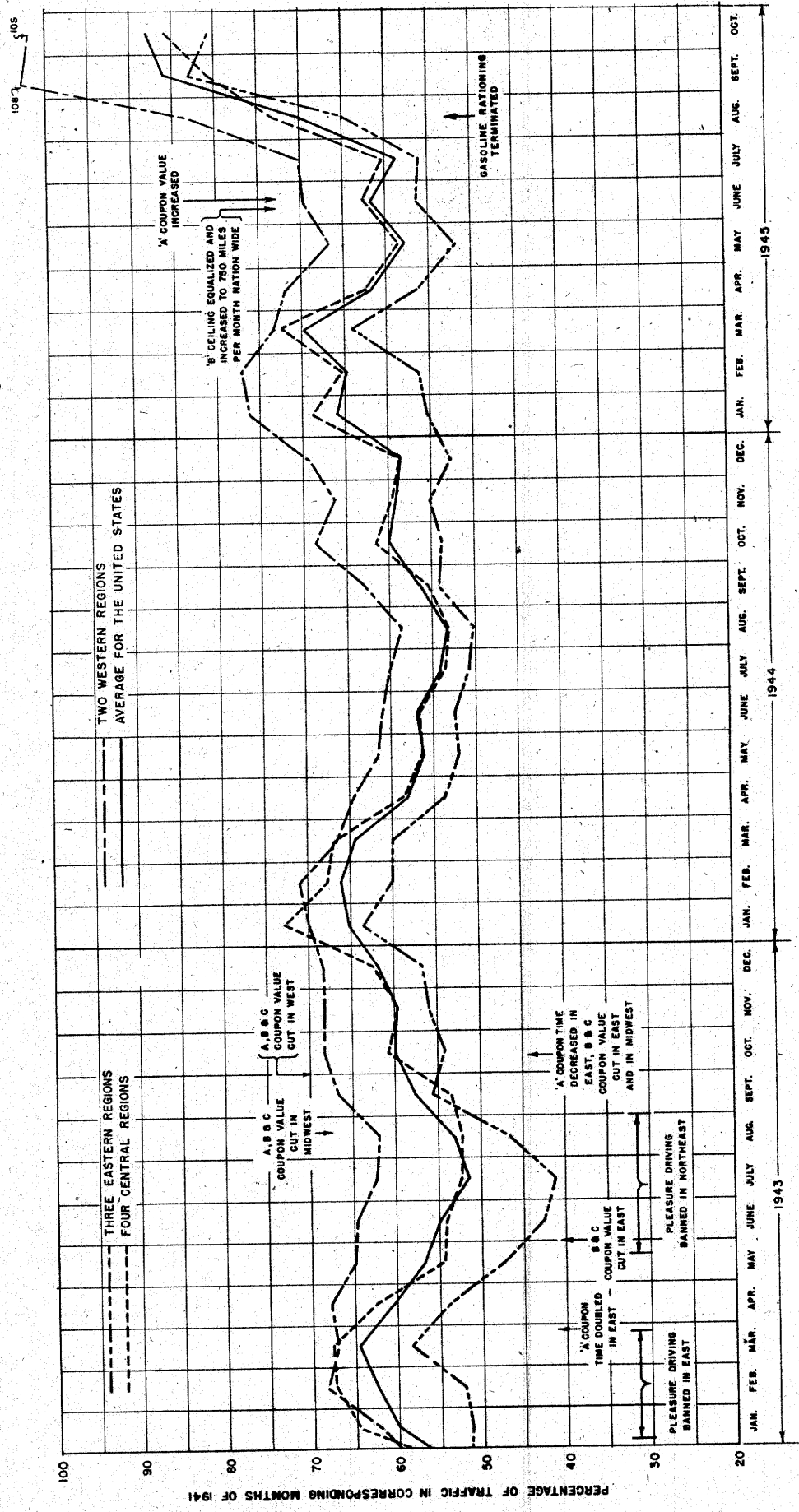


FIGURE 2.- PERCENTAGE RELATIONS OF RURAL TRAFFIC IN MONTHS OF 1943  
1944 AND 1945 WITH THAT IN CORRESPONDING MONTHS OF 1941

THEY WHO ARE WITH THEM IN CONSIDERABLE NUMBERS ARE

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