

PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

INFORMATIONAL MEMORANDUM

DATE: JULY 31, 1945

SUBJECT: TRAFFIC VOLUME TRENDS

The preliminary data for June again indicate that traffic in practically all sections of the country increased over the estimates for that month in 1944. During the month increases were found on main highways of all States reporting these data and on all local roads except those of Georgia, Rhode Island, Tennessee, and Wisconsin. Traffic increased in the eastern States by 7.5 percent over the 1944 estimates; in the central States the increase was 6.7 percent; in the mountain and western States it was 14.1 percent. Increases in the western States continued, as in several previous months, to exceed those of any other area. Traffic in the entire country increased 8.2 percent.

Comparisons of city traffic in June 1945 with corresponding traffic in June 1944 are as follows:

3 stations in Detroit, Michigan,	- 4.0 percent.
13 stations in Washington, D.C.,	+ 1.8 percent.
1 station in Santa Fe,	+18.5 percent.

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

Attachments.

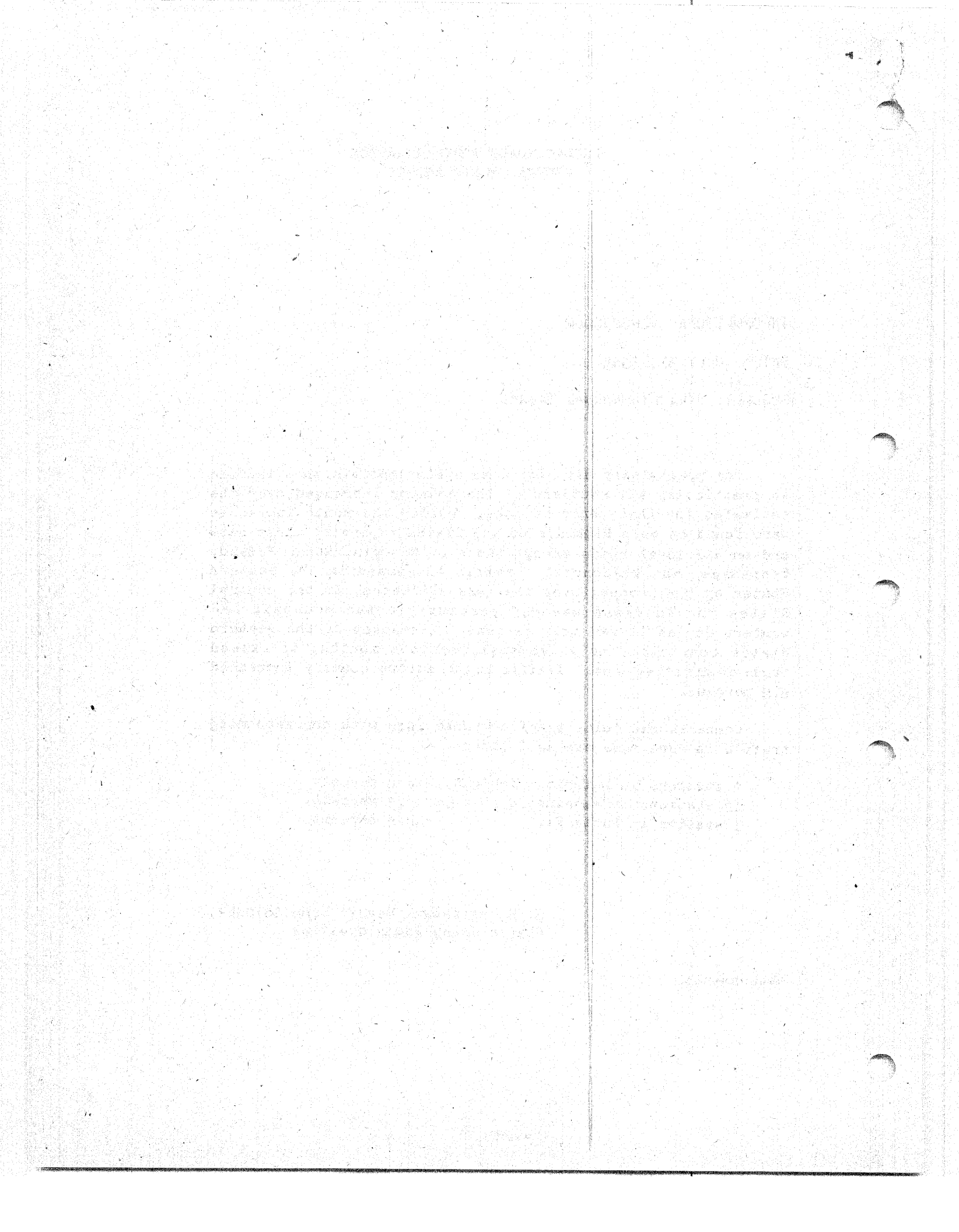


TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA
FOR JUNE 1945 INCLUDING 543 STATIONS IN 41 STATES¹

Type of highway and State	Number of stations	Percentage change from June 1944	Type of highway and State	Number of stations	Percentage change from June 1944
<i>STATE HIGHWAYS</i>			<i>STATE HIGHWAYS (Continued)</i>		
Alabama	6	+10.8	Vermont	6	+16.3
Arizona	5	+14.6	Virginia	4	+11.6
Arkansas	16	+21.1	Washington	10	+ 7.4
California	8	+23.2	West Virginia	11	+13.5
Colorado	6	+28.9	Wisconsin	9	+12.9
Connecticut	16	+ 8.7	Wyoming	3	+ 8.1
Delaware	5	+ 9.7			
Georgia	7	+ 9.7	<i>TOTAL - 41 STATES</i>	<i>511</i>	<i>+ 8.4</i>
Idaho	7	+ 3.9	<i>LOCAL HIGHWAYS</i>		
Illinois	6	+ 1.1	Alabama	2	+ 6.5
Iowa	26	+ 8.4	Connecticut	3	+ 8.8
Kansas ²	14	+12.5	Delaware	2	+38.7
Kentucky	8	+ 6.5	Georgia	4	- 5.8
Maine	10	+ 7.0	Iowa	8	+11.0
Maryland	17	+ 5.8	Maryland	1	+ 7.8
Massachusetts	9	+10.5	Michigan	2	+18.3
Michigan	26	+ 6.0	Montana	2	+ 9.1
Mississippi	10	+ 8.5	North Dakota	2	-13.0
Montana	12	+ 9.6	Ohio	1	+ 8.6
Nebraska ³	11	+15.5	Oregon	1	+ 2.7
Nevada	16	+12.5	Rhode Island	1	- 5.3
New Hampshire	15	+12.9	Tennessee	1	- 5.3
New Mexico	12	+18.2	Wisconsin	2	- 2.1
North Carolina	20	+ 7.4			
North Dakota	11	+ 1.8	<i>TOTAL - 14 STATES</i>	<i>32</i>	<i>+ 7.6</i>
Ohio	16	+ 2.4	<i>ALL HIGHWAYS</i>		
Oklahoma	20	+ 6.5	<i>41 STATES</i>	<i>543</i>	<i>+ 8.2</i>
Oregon	1	+10.6	<i>3 EASTERN REGIONS</i>		
Pennsylvania	29	+ 6.4		<i>187</i>	<i>+ 7.5</i>
Rhode Island	3	+11.5	<i>4 CENTRAL REGIONS</i>		
South Carolina	4	+ 2.7		<i>285</i>	<i>+ 6.7</i>
South Dakota	10	+ 4.5	<i>2 WESTERN REGIONS</i>		
Tennessee	6	+ 3.3		<i>91</i>	<i>+14.1</i>
Texas	72	+ 3.0			
Utah	8	+ 2.2			

¹Includes all States except Florida, Indiana, Louisiana, Minnesota, Missouri, New Jersey, and New York.

²Abnormal conditions in 1944 or 1945 affected one count in Kansas, excluding station 17, the increase is 1.4 percent.

³Nebraska, station 5, the 1944 count affected by flood. Excluding station 5, the increase is 11.1 percent.

TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
MAY 1945 INCLUDING 626 STATIONS IN 45 STATES¹

Region and State	Number of stations	Percentage change from May 1944	Region and State	Number of stations	Percentage change from May 1944
NEW ENGLAND			EAST SOUTH CENTRAL		
Connecticut	20	- 3.9	Alabama	9	+ 7.5
Maine	10	- 3.3	Kentucky	11	- 0.1
Massachusetts	9	- 1.9	Mississippi	10	+ 9.2
New Hampshire	15	- 2.8	Tennessee	5	+ 5.6
Rhode Island	4	+ 5.0	Subtotal	35	+ 5.5
Vermont	9	+ 4.3	WEST SOUTH CENTRAL		
Subtotal	67	- 2.2	Arkansas	18	+10.8
MIDDLE ATLANTIC			Oklahoma	20	+ 3.2
New York	6	- 1.3	Texas	72	+ 2.5
Pennsylvania	29	- 1.3	Subtotal	110	+ 3.3
Subtotal	35	- 1.3	MOUNTAIN		
SOUTH ATLANTIC			Arizona	5	+12.3
Delaware	7	+ 3.0	Colorado	6	+28.4
Maryland	8	- 2.7	Idaho ³	8	+ 9.9
Virginia	1	- 1.8	Montana	14	+ 2.6
West Virginia	11	+ 0.3	Nevada	16	+ 6.2
Subtotal north portion	37	- 1.2	New Mexico	13	+ 8.2
Florida	19	+ 1.2	Utah	10	+ 6.3
Georgia	11	+ 6.6	Wyoming	3	+ 5.2
North Carolina	20	+ 2.7	Subtotal	75	+10.4
South Carolina	1	+ 3.0	PACIFIC		
Subtotal south portion	51	+ 2.9	California	9	+17.7
Subtotal region	88	+ 1.0	Oregon	4	+10.7
EAST NORTH CENTRAL			Washington	10	+ 1.2
Illinois	6	+ 0.7	Subtotal	23	+10.1
Indiana	22	+ 0.2	TOTAL ALL STATES²	626	+ 3.5
Michigan	28	+ 1.8	STATE HIGHWAYS²	590	+ 3.7
Ohio	19	+ 0.3	LOCAL HIGHWAYS	36	+ 3.0
Wisconsin	11	+ 7.6	3 EASTERN REGIONS	190	- 0.3
Subtotal	86	+ 1.8	4 CENTRAL REGIONS	314	+ 3.7
WEST NORTH CENTRAL			2 WESTERN REGIONS	98	+10.2
Iowa	35	+ 6.2			
Kansas ³	14	+12.3			
Missouri	24	+ 3.7			
Nebraska	12	+ 6.4			
North Dakota	13	+ 3.5			
South Dakota	9	+ 5.2			
Subtotal	107	+ 6.1			

¹ Combined State and local highways.

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

³ Abnormal conditions in 1944 or 1945 affected 2 counts in the following States: Idaho, excluding station 3, there is a decrease of 2.1 percent. Kansas, excluding station 17, the increase is 3.5 percent.

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TABLE 3.--NUMBER OF VEHICLES, CLASSIFIED BY TYPES, USING TOLL FACILITIES AND DRAWBRIDGES IN JUNE 1945 COMPARED WITH THOSE IN JUNE 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
THREE EASTERN REGIONS									
4 in the New England States	48,860	42,768	6,092	+15.1	+21.9	-17.2	-44.1	-48.4	+35.6
12 in the Middle Atlantic States Fleetwood Viaduct, Westchester County, New York	4,566,597	3,629,542	937,055	+ 7.3	+ 7.6	+ 6.2	-22.5	-27.9	+ 9.5
6 in the South Atlantic States	209,385	209,385	---	+23.0	+23.0	--	-60.6	-60.6	--
	271,044	206,165	64,879	+ 2.3	+ 2.4	+ 1.8	-36.0	-40.8	-13.3
TOTAL - 23 facilities in the Eastern States ¹	5,095,886	4,087,860	1,008,026	+ 7.7	+ 8.2	+ 5.7	-26.5	-31.8	+ 7.8
TOTAL - 27 facilities in the Eastern States	5,395,728	4,343,869	1,051,859	+ 7.8	+ 8.7	+ 4.4			
FOUR CENTRAL REGIONS									
on the Great Lakes Canadian Border ²	265,162	254,457	10,705	+29.1	+29.8	+14.2	-16.2	-16.5	- 6.6
in the Great Lakes Region	126,055	97,066	28,989	+ 5.4	+12.3	-12.7	-33.6	-40.1	+ 4.3
Subtotal - 6 facilities	391,217	351,523	38,694	+20.4	+24.5	- 6.8	-22.7	-24.7	+ 1.1
9 on the Ohio River ³	483,014	394,403	88,611	+15.9	+21.4	- 3.4	-24.6	-28.0	- 4.6
10 in Kentucky	134,818	105,262	29,556	- 0.8	- 8.2	- 7.4	-27.9	-33.1	- 0.8
Subtotal - 19 facilities	617,832	499,665	118,167	+ 9.7	+13.7	- 4.4	-25.3	-29.1	- 3.7
10 on the Mississippi and St. Croix Rivers, St. Louis and north	940,026	747,634	192,392	+ 1.7	+ 3.3	- 4.0	-41.9	-44.2	-30.6
on the Mississippi River south of St. Louis	95,537	75,537	20,000	+14.1	+19.9	- 3.4	- 6.3	- 4.9	-11.1
Subtotal - 14 facilities	1,035,563	823,171	212,392	+ 2.9	+ 4.7	- 3.9	-29.8	-42.0	-29.1
3 on the Missouri River	110,112	87,078	23,034	+ 7.5	+10.6	- 2.6	- 4.9	- 4.9	- 4.9
2 in the Missouri River area	2,957	2,481	476	+ 0.8	+ 4.7	-15.6	-42.4	-45.3	-20.5
Subtotal - 5 facilities	113,069	89,559	23,510	+ 7.5	+10.4	- 3.0	- 6.5	- 6.8	- 5.2
3 on the Mexican Border	55,068	48,406	6,662	+10.2	+19.5	-29.5			
TOTAL - 44 facilities in the Central States ¹	2,157,681	1,763,918	393,763	+ 7.9	+11.0	- 4.3	-32.0	-34.4	-19.0
TOTAL - 51 facilities in the Central States	2,338,360	1,918,467	419,893	+ 8.1	+11.3	- 4.8			
TWO WESTERN REGIONS									
3 in California	1,867,415	1,624,411	243,004	+15.6	+16.2	+11.7	- 5.2	-10.9	+65.5
4 in the Oregon-Washington area	246,892	212,737	34,155	+20.2	+22.1	+ 9.5	+13.7	+ 9.8	+46.1
TOTAL - 7 facilities in the Western States	2,114,307	1,837,148	277,159	+16.1	+16.9	+11.4	- 3.4	- 8.9	+62.9
UNITED STATES									
TOTAL - 74 facilities ¹	9,367,874	7,688,926	1,678,948	+ 9.5	+10.8	+ 4.0	-23.8	-28.2	+ 5.5
TOTAL - 85 facilities	9,848,395	8,099,484	1,748,911	+ 9.6	+11.1	+ 3.1			
SUPPLEMENTAL DATA									
4 facilities reporting only total traffic	186,027			- 2.5					
31 drawbridges in Eastern North Carolina (not toll) based on one 8-hour weekday count at each bridge	18,271	13,159	5,112	- 1.3	+ 2.9	-10.5	-13.1	-15.7	- 5.6
¹ These facilities have comparative data for 1945, 1944, and 1941 and are included in the larger total below. ² Two of these facilities are in Western New York and therefore are related to similar facilities in the Central States. ³ Five of these facilities are between Ohio and West Virginia.									

Year	Month	Day	Time	Location	Remarks
1950	Jan	1	10:00
1950	Jan	2	10:00
1950	Jan	3	10:00
1950	Jan	4	10:00
1950	Jan	5	10:00
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1950	Jan	29	10:00
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1950	Jan	31	10:00
1950	Feb	1	10:00
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1950	Apr	1	10:00
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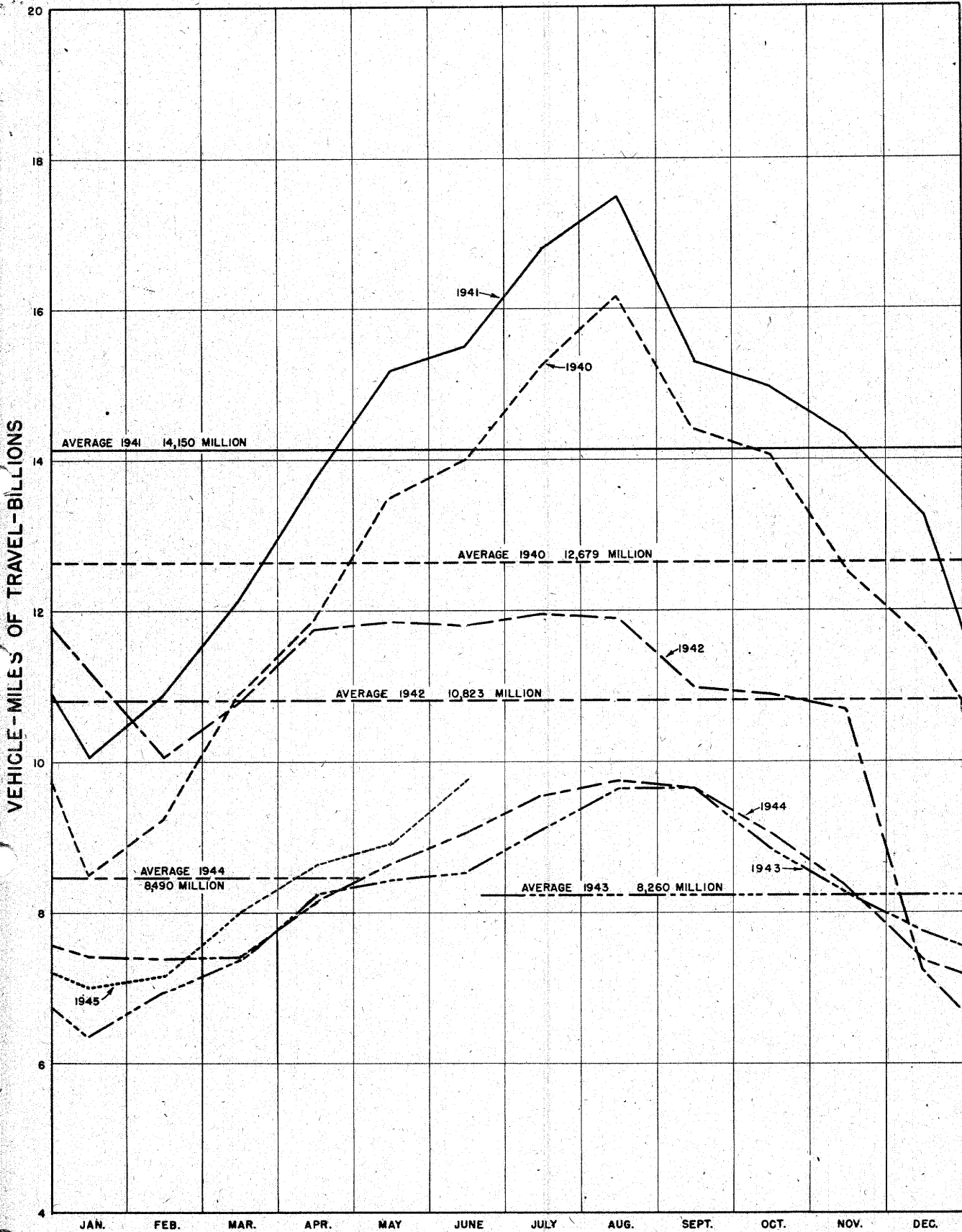
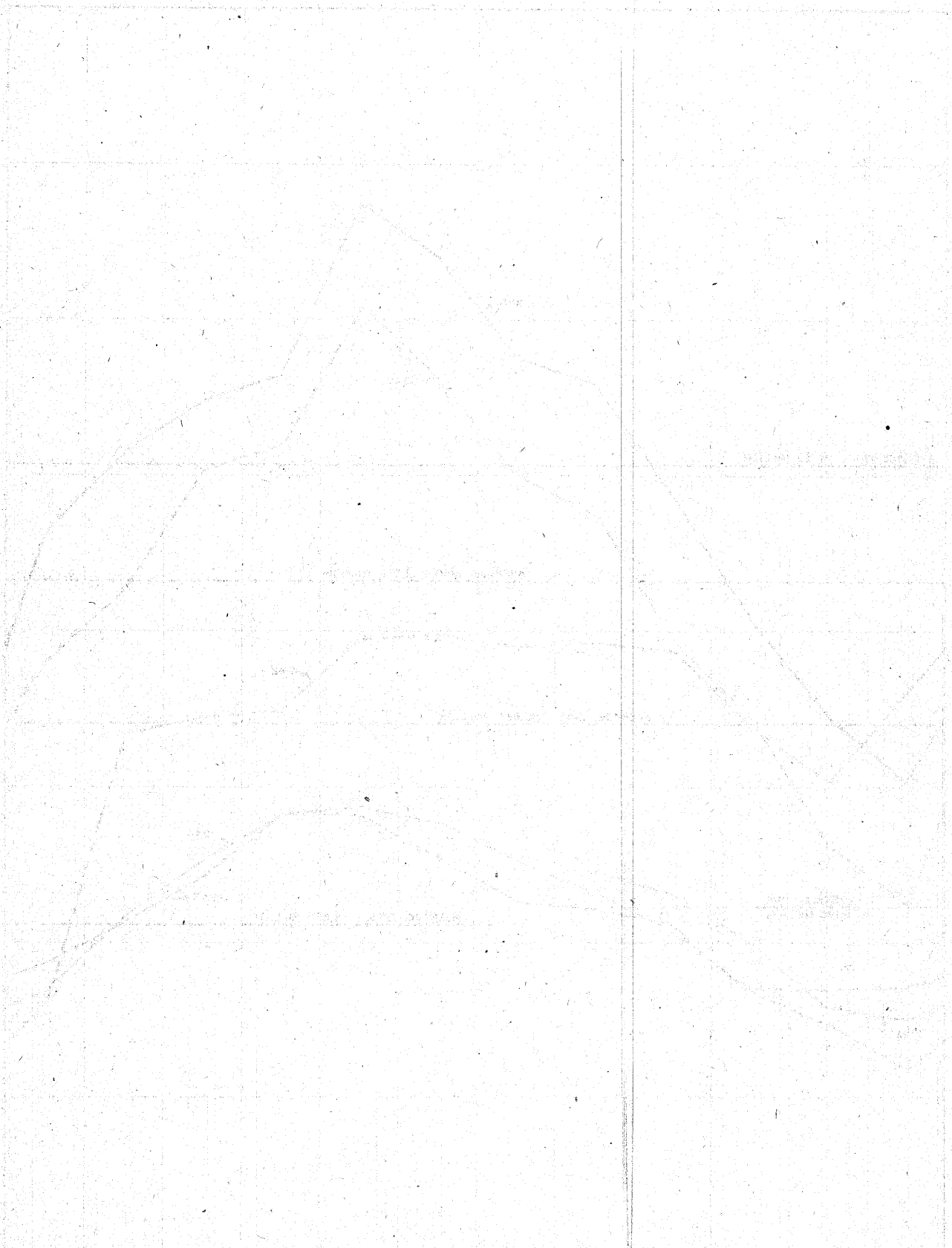


FIGURE I.—VEHICLE-MILES OF TRAVEL ON ALL RURAL ROADS
1940 TO 1945 BY MONTHS.



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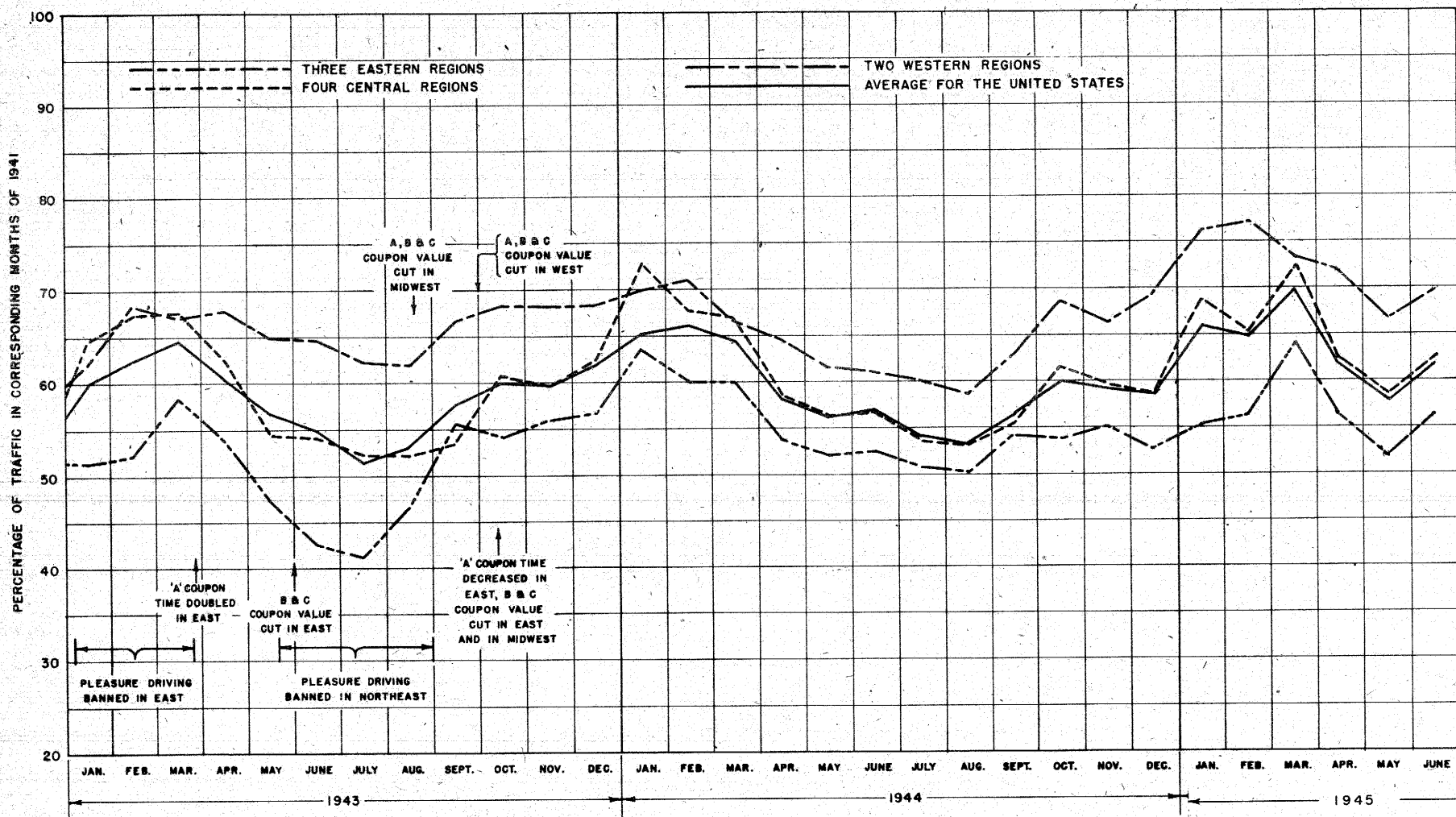


FIGURE 2.- PERCENTAGE RELATIONS OF RURAL TRAFFIC IN MONTHS OF 1943 AND 1944 WITH THAT IN CORRESPONDING MONTHS OF 1941

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