

PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

m. Hitchcock

INFORMATIONAL MEMORANDUM NO. 83

DATE; MARCH 31, 1945

SUBJECT: TRAFFIC VOLUME TRENDS

The revised information for January 1945 indicated that traffic in the eastern and central portions of the country was considerably below the estimates for that month in 1944 but not as far below as was indicated by the preliminary estimate. Preliminary data for February 1945 indicated that traffic in eastern and northern States continued below that for February 1944. Traffic in the New England States was 9.8 percent below the estimates for February 1944; that in the Middle Atlantic States was 9.3 percent lower; while traffic in the East North Central Region was 5.8 percent under the previous year's figures. Traffic in the two western regions followed the same trend as last month, again being 8.5 percent above last year's figures. February 1945 traffic in rural sections of the entire country decreased 3.0 percent.

Comparisons of city traffic in February 1945 with that in February 1944 are as follows:

3 stations in Detroit, Michigan -9.2 percent
11 stations in Washington, D. C. -0.6 percent

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

Attachment

TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
FEBRUARY 1945 INCLUDING 586 STATIONS IN 42 STATES¹

Type of highway and State	Number of stations	Percentage change from Feb. 1944	Type of highway and State	Number of stations	Percentage change from Feb. 1944
<i>STATE HIGHWAYS</i>			<i>STATE HIGHWAYS</i>		
Alabama	8	+ 4.5	(Continued)		
Arizona	4	+24.4	Vermont	7	- 1.1
Arkansas ²	19	+10.5	Virginia	4	- 7.4
California	8	+13.3	Washington	9	+ 1.6
Colorado	6	+12.7	West Virginia	11	- 7.7
Connecticut	17	-11.5	Wisconsin	9	- 1.9
Delaware	5	- 1.9			
Georgia	7	- 1.8	<i>TOTAL - 42 STATES</i>	549	- 2.2
Idaho	8	+ 4.3			
Illinois	3	-10.2	<i>LOCAL HIGHWAYS</i>		
Indiana	21	- 3.6	Alabama	1	0.0
Iowa	26	- 4.4	Connecticut	3	-22.0
Kansas	12	- 2.8	Delaware	2	+ 8.0
Kentucky	12	- 4.5	Georgia	4	0.0
Maine	10	- 7.9	Indiana	2	-14.2
Maryland	17	- 7.2	Iowa	9	- 9.2
Massachusetts	9	- 8.2	Maryland	1	- 7.8
Michigan	26	- 6.3	Michigan	2	- 1.7
Mississippi	9	+ 2.1	Missouri	2	- 6.4
Missouri	25	- 7.3	Montana	2	+ 5.1
Montana	12	+ 5.8	North Dakota	2	- 3.9
Nevada	16	- 9.5	Ohio	2	- 8.7
New Hampshire	9	-12.5	Oregon	1	+ 7.9
New Mexico	13	+ 6.1	Tennessee	2	+ 4.6
New York	4	- 7.9	Wisconsin	2	-11.4
North Carolina	20	- 5.1			
North Dakota	11	+ 0.4	<i>TOTAL - 15 STATES</i>	37	- 5.1
Ohio	19	- 7.6			
Oklahoma	20	- 5.4	<i>ALL HIGHWAYS</i>		
Oregon	3	+18.5	<i>42 STATES</i>	586	- 3.0
Pennsylvania	29	- 9.5			
Rhode Island	3	- 8.0	<i>3 EASTERN REGIONS</i>	164	- 7.4
South Carolina	4	- 0.2			
South Dakota	10	+ 5.8	<i>4 CENTRAL REGIONS</i>	330	- 4.1
Tennessee ²	4	-29.6			
Texas	72	- 0.6	<i>2 WESTERN REGIONS</i>	92	+ 8.5
Utah	10	+ 4.9			

¹ Includes all States except Florida, Louisiana, Minnesota, Nebraska, New Jersey, and Wyoming.

² Abnormal conditions in 1943 or 1944 affected 2 counts in the following States: Arkansas, excluding station 21, the increase is 2.0 percent. Tennessee, excluding station 6, the decrease is 13.6 percent.

TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
JANUARY 1945 INCLUDING 638 STATIONS IN 45 STATES¹

Region and State	Number of stations	Percentage change from Jan. 1944	Region and State	Number of stations	Percentage change from Jan. 1944
NEW ENGLAND			EAST SOUTH CENTRAL		
Connecticut	20	-13.9	Alabama	9	+ 3.8
Maine	10	- 8.2	Kentucky	12	-10.3
Massachusetts	10	- 9.1	Mississippi	10	+ 6.8
New Hampshire	15	-16.9	Tennessee	5	-28.4
Rhode Island	4	- 6.2	Subtotal	36	- 5.5
Vermont	9	- 6.0			
Subtotal	68	-11.6	WEST SOUTH CENTRAL		
MIDDLE ATLANTIC			Arkansas	18	+13.3
New York	9	-14.6	Oklahoma	20	+ 5.5
Pennsylvania	29	-26.1	Texas	72	+ 4.0
Subtotal	38	-22.9	Subtotal	110	+ 5.0
SOUTH ATLANTIC			MOUNTAIN		
Delaware	7	- 7.2	Arizona	5	+ 7.3
Maryland	18	-14.2	Colorado	6	+13.8
Virginia	5	-14.0	Idaho	8	+ 9.7
West Virginia	11	- 8.9	Montana	14	- 5.6
Subtotal north portion	41	-12.3	Nevada	16	- 7.0
Florida	19	+ 7.0	New Mexico	13	+ 9.7
Georgia	11	0.0	Utah ³	10	+18.6
North Carolina	20	- 5.6	Wyoming	5	+15.8
South Carolina	2	+ 0.2	Subtotal	77	+ 8.2
Subtotal south portion	52	+ 0.1	PACIFIC		
Subtotal region	93	- 5.5	California	9	+13.1
			Oregon	4	+13.4
			Washington	9	+ 2.8
			Subtotal	22	+ 9.3
EAST NORTH CENTRAL			TOTAL ALL STATES²	638	- 5.7
Illinois	4	- 5.4			
Indiana	23	-14.3	STATE HIGHWAYS²	599	- 4.5
Michigan	28	-14.2			
Ohio	21	-13.6	LOCAL HIGHWAYS	39	+ 8.9
Wisconsin	10	-10.6			
Subtotal	66	-13.4	3 EASTERN REGIONS	199	-13.1
WEST NORTH CENTRAL			4 CENTRAL REGIONS	340	- 6.0
Iowa	35	-10.6	2 WESTERN REGIONS	99	+ 8.9
Kansas	12	- 0.5			
Missouri	27	- 9.1			
Nebraska	11	- 4.7			
North Dakota	13	- 1.1			
South Dakota	10	- 5.2			
Subtotal	108	- 7.3			

¹Combined State and local highways.

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

³Abnormal conditions in 1944 or 1945 affected the count of 1 station: Utah, excluding station 315, the increase is 0.1 percent.

STATE OF CALIFORNIA
DEPARTMENT OF REVENUE

DATE	AMOUNT	DESCRIPTION	REFERENCE
1/1/54	100.00	STATE TAX	100
2/1/54	200.00	STATE TAX	200
3/1/54	300.00	STATE TAX	300
4/1/54	400.00	STATE TAX	400
5/1/54	500.00	STATE TAX	500
6/1/54	600.00	STATE TAX	600
7/1/54	700.00	STATE TAX	700
8/1/54	800.00	STATE TAX	800
9/1/54	900.00	STATE TAX	900
10/1/54	1000.00	STATE TAX	1000
11/1/54	1100.00	STATE TAX	1100
12/1/54	1200.00	STATE TAX	1200
1/1/55	1300.00	STATE TAX	1300
2/1/55	1400.00	STATE TAX	1400
3/1/55	1500.00	STATE TAX	1500
4/1/55	1600.00	STATE TAX	1600
5/1/55	1700.00	STATE TAX	1700
6/1/55	1800.00	STATE TAX	1800
7/1/55	1900.00	STATE TAX	1900
8/1/55	2000.00	STATE TAX	2000
9/1/55	2100.00	STATE TAX	2100
10/1/55	2200.00	STATE TAX	2200
11/1/55	2300.00	STATE TAX	2300
12/1/55	2400.00	STATE TAX	2400
1/1/56	2500.00	STATE TAX	2500
2/1/56	2600.00	STATE TAX	2600
3/1/56	2700.00	STATE TAX	2700
4/1/56	2800.00	STATE TAX	2800
5/1/56	2900.00	STATE TAX	2900
6/1/56	3000.00	STATE TAX	3000
7/1/56	3100.00	STATE TAX	3100
8/1/56	3200.00	STATE TAX	3200
9/1/56	3300.00	STATE TAX	3300
10/1/56	3400.00	STATE TAX	3400
11/1/56	3500.00	STATE TAX	3500
12/1/56	3600.00	STATE TAX	3600
1/1/57	3700.00	STATE TAX	3700
2/1/57	3800.00	STATE TAX	3800
3/1/57	3900.00	STATE TAX	3900
4/1/57	4000.00	STATE TAX	4000
5/1/57	4100.00	STATE TAX	4100
6/1/57	4200.00	STATE TAX	4200
7/1/57	4300.00	STATE TAX	4300
8/1/57	4400.00	STATE TAX	4400
9/1/57	4500.00	STATE TAX	4500
10/1/57	4600.00	STATE TAX	4600
11/1/57	4700.00	STATE TAX	4700
12/1/57	4800.00	STATE TAX	4800
1/1/58	4900.00	STATE TAX	4900
2/1/58	5000.00	STATE TAX	5000
3/1/58	5100.00	STATE TAX	5100
4/1/58	5200.00	STATE TAX	5200
5/1/58	5300.00	STATE TAX	5300
6/1/58	5400.00	STATE TAX	5400
7/1/58	5500.00	STATE TAX	5500
8/1/58	5600.00	STATE TAX	5600
9/1/58	5700.00	STATE TAX	5700
10/1/58	5800.00	STATE TAX	5800
11/1/58	5900.00	STATE TAX	5900
12/1/58	6000.00	STATE TAX	6000
1/1/59	6100.00	STATE TAX	6100
2/1/59	6200.00	STATE TAX	6200
3/1/59	6300.00	STATE TAX	6300
4/1/59	6400.00	STATE TAX	6400
5/1/59	6500.00	STATE TAX	6500
6/1/59	6600.00	STATE TAX	6600
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4/1/61	8800.00	STATE TAX	8800
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9/1/61	9300.00	STATE TAX	9300
10/1/61	9400.00	STATE TAX	9400
11/1/61	9500.00	STATE TAX	9500
12/1/61	9600.00	STATE TAX	9600
1/1/62	9700.00	STATE TAX	9700
2/1/62	9800.00	STATE TAX	9800
3/1/62	9900.00	STATE TAX	9900
4/1/62	10000.00	STATE TAX	10000

TABLE 3.--NUMBER OF VEHICLES, CLASSIFIED BY TYPES, USING TOLL FACILITIES AND DRAWBRIDGES
IN FEBRUARY 1945 COMPARED WITH THOSE IN FEBRUARY 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									
3 in the New England States	23,442	20,609	2,833	+ 1.1	+ 0.2	+ 7.9	-15.1	-17.8	+11.4
10 in the Middle Atlantic States	1,462,533	1,187,331	275,202	- 6.7	- 8.3	+ 0.9	-22.9	-26.9	+ 0.8
Fleetwood Viaduct, Westchester County, New York	92,540	92,540	--	-10.3	-10.3	--	-68.8	-68.8	--
Pennsylvania Turnpike	59,454	33,916	25,538	- 7.5	-16.4	+ 7.7	-31.5	-49.5	+30.4
6 in the South Atlantic States	204,001	142,903	61,098	-16.5	-17.1	-14.9	-34.6	-44.0	+ 8.1
TOTAL - 21 facilities in the Eastern States ¹	1,841,970	1,477,299	364,671	- 8.0	- 9.4	- 1.7	-29.7	-34.9	+ 3.7
TOTAL - 26 facilities in the Eastern States	2,065,634	1,660,642	404,992	- 7.6	- 9.1	- 0.8			
FOUR CENTRAL REGIONS									
5 on the Great Lakes Canadian Border ²	169,660	134,349	35,311	- 2.7	- 5.9	+11.7	+14.8	+ 6.2	+65.5
3 in the Great Lakes Region	69,969	43,028	26,941	- 8.2	-13.4	+ 1.5	-13.3	-21.7	+ 4.7
Subtotal - 8 facilities	239,629	177,377	62,252	- 4.4	- 7.8	+ 7.1	+ 4.8	- 2.8	+32.2
10 on the Ohio River ³	644,883	530,451	114,432	+ 0.7	+ 0.4	+ 1.8	- 5.6	- 6.3	- 2.3
9 in Kentucky	96,860	73,288	23,572	- 8.1	-10.5	+ 0.2	- 1.7	- 7.2	+20.6
Subtotal - 19 facilities	741,743	603,739	138,004	- 0.6	- 1.0	+ 1.5	- 5.1	- 6.4	+ 1.0
12 on the Mississippi and St. Croix Rivers St. Louis and north	686,460	503,207	183,253	-14.1	-16.2	- 7.8	-31.2	-33.9	-22.5
3 on the Mississippi River south of St. Louis	57,959	40,771	17,188	+ 3.5	+ 1.3	+ 9.1	-10.2	-13.1	- 2.6
Subtotal - 15 facilities	744,419	543,978	200,441	-12.9	-15.1	- 6.5	-29.9	-32.7	-21.1
3 on the Missouri River	84,407	61,680	22,727	+ 0.4	+ 0.8	- 0.6	+ 5.1	+ 3.1	+10.7
2 in the Missouri River area	1,807	1,388	419	- 6.3	- 6.5	- 5.6	-33.2	-36.1	-21.4
Subtotal - 5 facilities	86,214	63,068	23,146	+ 0.3	+ 0.6	- 0.7	+ 3.8	+ 1.7	+ 9.9
TOTAL - 47 facilities in the Central States ¹	1,812,005	1,388,162	423,843	- 6.5	- 7.8	- 1.9	-15.9	-18.2	- 7.6
TOTAL - 53 facilities in the Central States	1,939,174	1,487,738	451,436	- 6.3	- 7.6	- 1.8			
TWO WESTERN REGIONS									
4 in California	1,850,215	1,611,219	238,996	+ 0.2	- 0.3	+ 3.9	+ 3.4	- 2.4	+72.7
5 in the Oregon-Washington area	180,535	151,904	28,631	+ 8.1	+ 8.5	+ 6.4	+30.2	+23.5	+82.5
TOTAL - 9 facilities in the Western States	2,030,750	1,763,123	267,627	+ 0.9	+ 0.4	+ 4.1	+ 5.4	- 0.6	+73.7
TOTAL - 77 facilities in the United States ¹	5,684,725	4,628,584	1,056,141	- 4.5	- 5.4	- 0.3	-15.2	-19.3	+ 9.5
TOTAL - 88 facilities in the United States	5,835,558	4,911,503	1,124,055	- 4.5	- 5.4	- 0.1			
4 facilities reporting only total traffic	135,938								
34 drawbridges in Eastern North Carolina (not toll) based on one 8-hour week-day count at each bridge.	14,450	11,215	3,235	+ 6.5	+ 2.5	+22.9	+ 8.4	+ 1.0	+45.3

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

²Three 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.

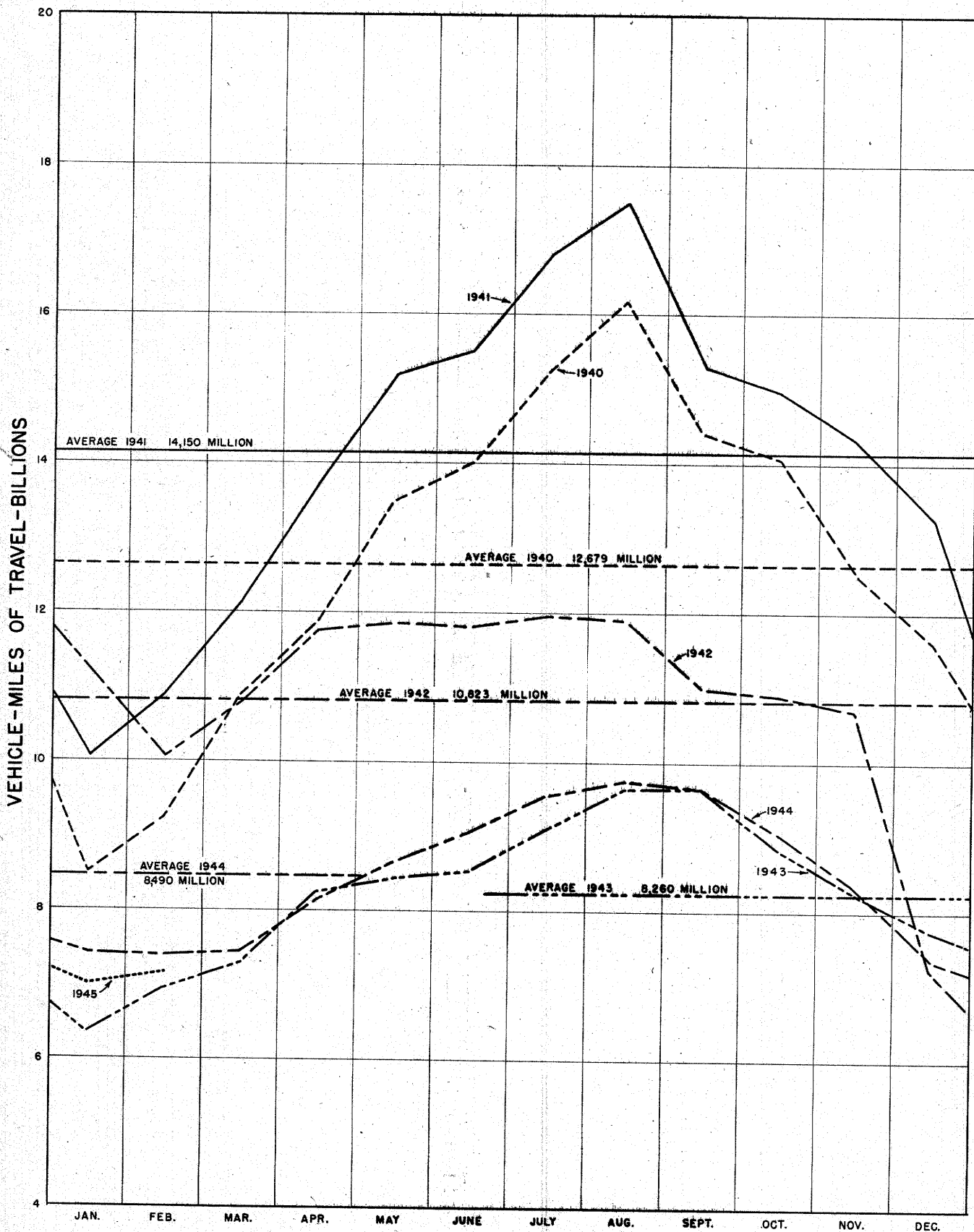
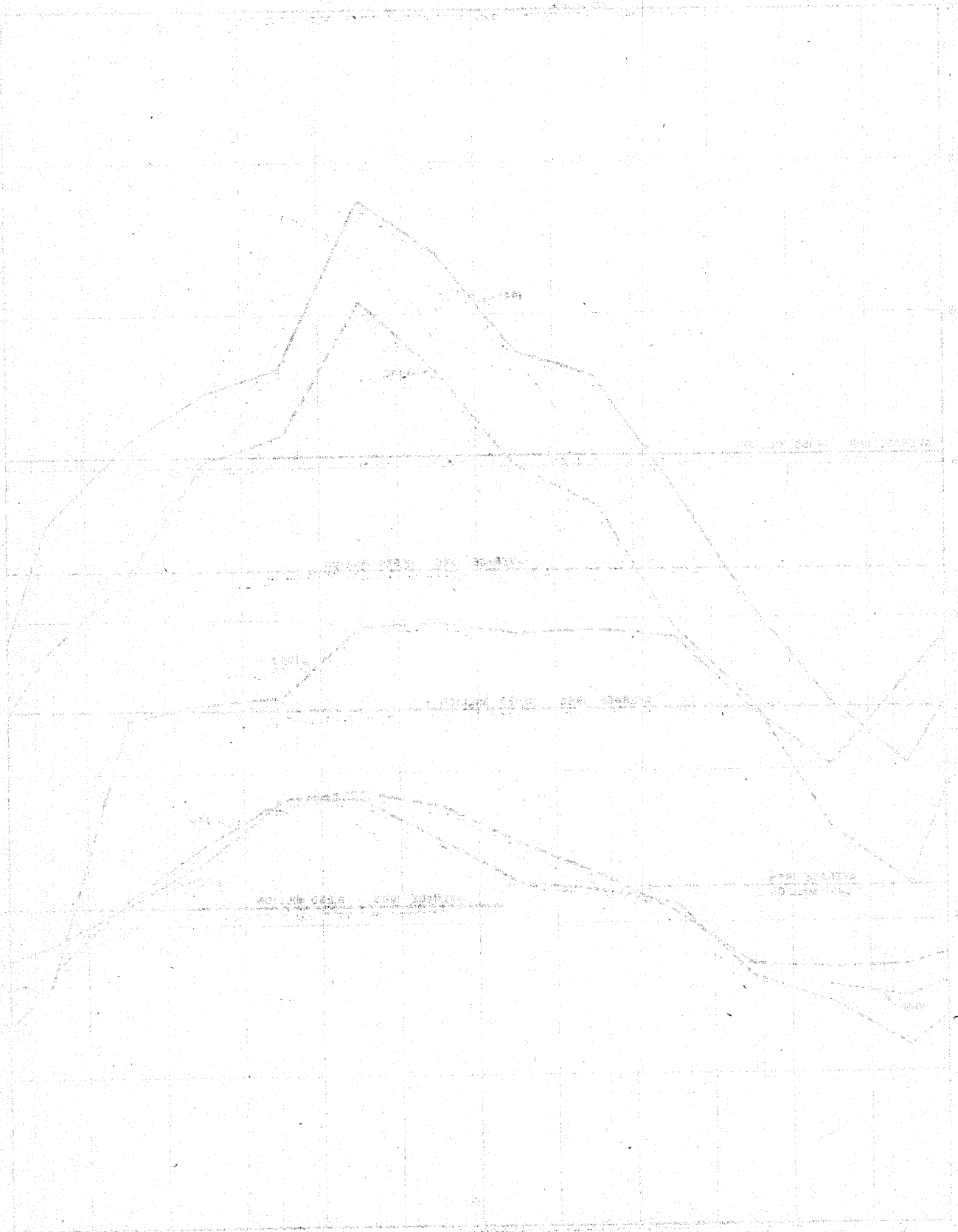


FIGURE I.—VEHICLE-MILES OF TRAVEL ON ALL RURAL ROADS 1940 TO 1945 BY MONTHS.



RIGHT - VEHICLE - WIDTH OF TRAY BY ALL RURAL ROAD
 DID TO 1987 BY 1987

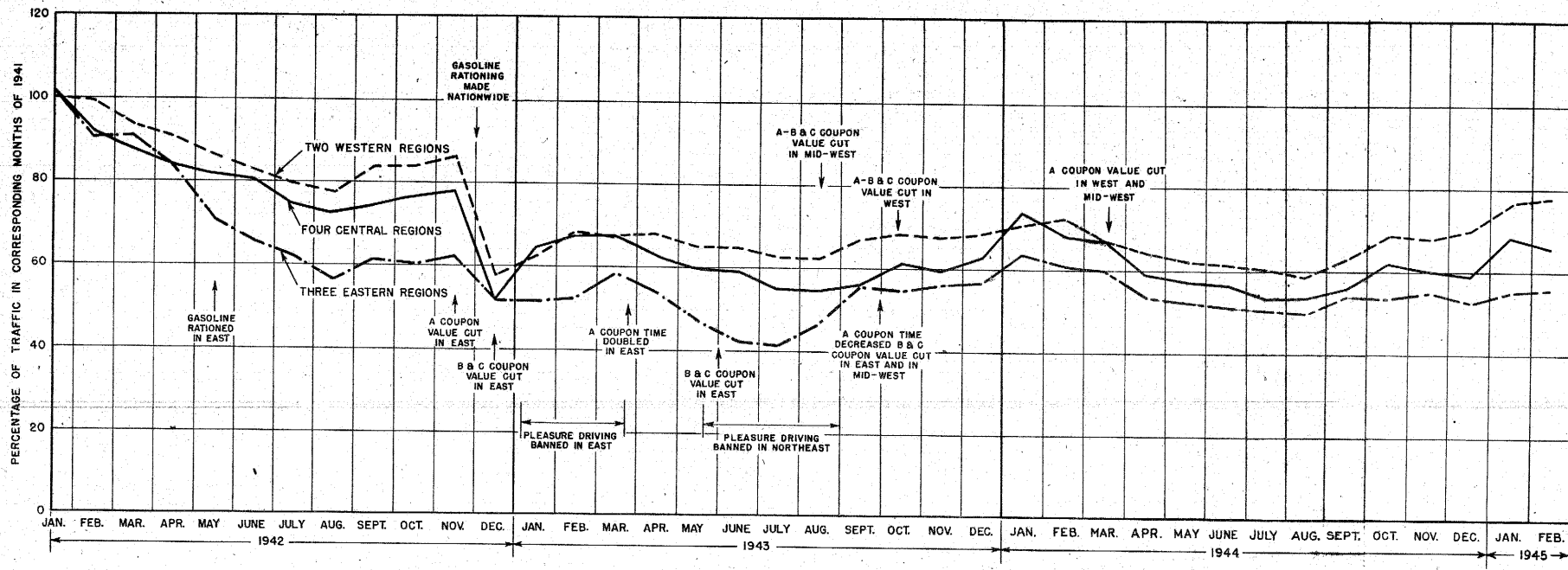


FIGURE 2. PERCENTAGE RELATIONS OF RURAL TRAFFIC IN MONTHS OF 1942, 1943, 1944 AND 1945 WITH THAT IN CORRESPONDING MONTHS OF 1941

