

Mr. Hitchcock

PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

INFORMATIONAL MEMORANDUM NO. 77

DATE: NOVEMBER 29, 1944

SUBJECT: TRAFFIC VOLUME TRENDS

The preliminary data for October 1944 indicate that traffic on rural roads continued to follow closely the pattern for 1943. During that month it was slightly higher than in the corresponding month of 1943. Traffic in the eastern portion of the country decreased 1.6 percent, that in the central portion increased 1.7 percent, and that in the western portion increased 0.5 percent. Traffic in the entire country increased 0.5 percent.

Comparisons of city traffic in October 1944 with that in October 1943 are as follows:

3 stations in Detroit, Michigan -2.7
10 stations in Washington, D. C. +1.2

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

Attachments.

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TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
OCTOBER 1944 INCLUDING 550 STATIONS IN 42 STATES¹

Type of highway and State	Number of stations	Percentage change from Oct. 1943	Type of highway and State	Number of stations	Percentage change from Oct. 1943
<i>STATE HIGHWAYS</i>			<i>STATE HIGHWAYS (Continued)</i>		
Alabama	8	+ 5.2	Virginia	4	-12.0
Arizona	5	+ 3.9	Washington	9	- 2.9
Arkansas	20	+ 6.6	West Virginia	11	+ 3.0
California	8	- 2.4	Wisconsin	9	+ 7.8
Colorado	6	+20.5	Wyoming	4	+17.5
Connecticut	17	- 6.2			
Delaware	4	+ 2.1			
Georgia	6	+ 4.3	<i>TOTAL - 42 STATES¹</i>	516	- 0.3
Idaho	8	+ 5.8			
Illinois	5	- 0.7	<i>LOCAL HIGHWAYS</i>		
Iowa	24	+ 5.1	Alabama ²	2	+57.1
Kansas	10	+12.1	Connecticut	3	- 4.9
Kentucky	13	+ 0.4	Georgia	4	-13.4
Louisiana	8	- 4.2	Iowa	10	-11.9
Maine	10	- 0.4	Maryland	1	+12.9
Maryland	16	- 3.5	Massachusetts	1	+28.2
Massachusetts	8	- 1.9	Michigan	2	+13.2
Michigan	26	- 4.2	Montana	2	- 3.8
Mississippi	10	+ 7.0	Nebraska	1	+40.6
Montana	12	- 1.4	North Dakota	2	+ 0.6
Nebraska	10	+ 1.7	Ohio	1	+ 5.6
Nevada ²	12	-15.4	Oregon	1	+ 3.5
New Mexico	12	+ 8.6	Rhode Island	1	-24.1
New York	3	- 8.2	Tennessee	1	+ 6.2
North Carolina	20	- 0.1	Wisconsin	2	- 4.3
North Dakota	10	+ 5.1			
Ohio	28	+ 1.3	<i>TOTAL - 15 STATES</i>	34	+ 2.4
Oklahoma	20	+ 0.9			
Oregon	2	+ 9.9	<i>ALL HIGHWAYS</i>		
Pennsylvania	30	- 0.5	<i>42 STATES</i>		
Rhode Island	3	+ 4.0		550	+ 0.5
South Carolina	5	+ 1.4	<i>3 EASTERN REGIONS</i>		
South Dakota	10	+ 6.8		156	- 1.6
Tennessee	2	-20.4	<i>4 CENTRAL REGIONS</i>		
Texas	72	+ 0.6		306	+ 1.7
Utah	7	- 1.7	<i>2 WESTERN REGIONS</i>		
Vermont	9	+ 4.2		88	+ 0.5

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

²Abnormal conditions in 1943 or 1944 affected 2 counts in the following States: Alabama, excluding station 3, the increase on local highways is 2.3 percent. Nevada, excluding station 110, there is an increase of 2.1 percent.

Table with 5 columns and multiple rows, containing mostly illegible text and numbers. The right edge shows punch holes.

TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
SEPTEMBER 1944 INCLUDING 632 STATIONS IN 46 STATES¹

Region and State	Number of stations	Percentage change from Sept. 1943	Region and State	Number of stations	Percentage change from Sept. 1943
NEW ENGLAND			EAST SOUTH CENTRAL		
Connecticut	20	- 6.4	Alabama ²	8	+11.0
Maine	19	- 5.1	Kentucky	13	+ 0.2
Massachusetts	9	- 3.5	Mississippi	10	+ 4.1
New Hampshire ³	18	+16.7	Tennessee	3	-21.4
Rhode Island	3	+ 4.7	Subtotal	34	+ 0.9
Vermont	8	+ 0.9	WEST SOUTH CENTRAL		
Subtotal	68	- 2.1	Arkansas	21	+ 2.2
MIDDLE ATLANTIC			Louisiana	8	- 2.0
New York	12	- 6.0	Oklahoma	20	+ 0.2
Pennsylvania	30	- 1.3	Texas	71	- 0.8
Subtotal	42	- 3.3	Subtotal	120	- 0.5
SOUTH ATLANTIC			MOUNTAIN		
Delaware	4	+ 2.0	Arizona	5	- 3.1
Maryland	17	- 2.8	Colorado	5	+ 5.3
Virginia	5	- 4.5	Idaho	7	-11.1
West Virginia	11	- 2.2	Montana	14	- 1.4
Subtotal north portion	37	- 2.3	Nevada ²	12	-18.4
Florida	17	+ 7.0	New Mexico	12	+ 4.1
Georgia	9	- 3.0	Utah	8	- 9.4
North Carolina	20	- 4.6	Wyoming	4	+ 6.0
South Carolina	5	- 2.0	Subtotal	67	- 4.0
Subtotal south portion	51	- 0.7	PACIFIC		
Subtotal region	88	- 1.6	California	7	- 7.5
EAST NORTH CENTRAL			Oregon	4	+ 1.5
Illinois	3	+ 1.0	Washington	9	- 9.2
Indiana	23	- 4.2	Subtotal	30	- 7.1
Michigan	28	- 2.8	TOTAL ALL STATES²	632	- 2.1
Ohio	25	- 0.7	STATE HIGHWAYS²	596	- 3.9
Wisconsin	11	+ 5.6	LOCAL HIGHWAYS	36	+ 2.4
Subtotal	90	- 1.5	3 WESTERN REGIONS	198	- 2.3
WEST NORTH CENTRAL			4 CENTRAL REGIONS	347	- 0.7
Iowa	36	- 0.3	2 WESTERN REGIONS	87	- 6.0
Kansas	8	+ 6.8			
Missouri	26	- 4.9			
Nebraska	11	+ 2.8			
North Dakota	12	+ 2.4			
South Dakota	10	+ 3.5			
Subtotal	103	- 0.7			

¹Includes all States except the following: Minnesota and New Jersey.

²Abnormal conditions in 1943 or 1944 affected 2 counts in the following States: Alabama, excluding local station 3, the increase is 7.6 percent. Nevada, excluding local station 110, the decrease is 1.6 percent.

³New Hampshire - 9 days only.

STATE OF TEXAS
COUNTY OF []

No. of Shares	Name of Shareholder	Address	City	County	State
100	J. M. Smith	123 Main St	Houston	Harris	Texas
50	A. B. Jones	456 Oak St	Dallas	Dallas	Texas
25	C. D. Brown	789 Elm St	Austin	Cook	Texas
15	E. F. Green	101 Pine St	San Antonio	Brewster	Texas
10	G. H. White	202 Cedar St	Fort Worth	Tarrant	Texas
5	I. J. Black	303 Birch St	El Paso	El Paso	Texas
3	K. L. Gray	404 Spruce St	San Diego	San Diego	Texas
2	M. N. Blue	505 Willow St	Phoenix	Maricopa	Texas
1	O. P. Red	606 Ash St	Portland	Clatsop	Texas
1	Q. R. Purple	707 Hickory St	Seattle	King	Texas
1	S. T. Yellow	808 Magnolia St	Denver	Denver	Texas
1	U. V. Orange	909 Poplar St	Chicago	Cook	Texas
1	W. X. Green	1010 Sycamore St	Los Angeles	Los Angeles	Texas
1	Y. Z. Blue	1111 Chestnut St	Philadelphia	Philadelphia	Texas
1	AA. BB. Red	1212 Walnut St	Pittsburgh	Pittsburgh	Texas
1	CC. DD. Purple	1313 Elm St	Cincinnati	Cincinnati	Texas
1	EE. FF. Yellow	1414 Oak St	St. Louis	St. Louis	Texas
1	GG. HH. Orange	1515 Pine St	Indianapolis	Indianapolis	Texas
1	II. JJ. Green	1616 Cedar St	Columbus	Columbus	Texas
1	KK. LL. Blue	1717 Birch St	San Francisco	San Francisco	Texas
1	MM. NN. Red	1818 Spruce St	New York	New York	Texas
1	OO. PP. Purple	1919 Willow St	Boston	Boston	Texas
1	QQ. RR. Yellow	2020 Ash St	Washington	Washington	Texas
1	SS. TT. Orange	2121 Magnolia St	San Jose	San Jose	Texas
1	UU. VV. Green	2222 Poplar St	San Diego	San Diego	Texas
1	WW. XX. Blue	2323 Hickory St	San Antonio	San Antonio	Texas
1	YY. ZZ. Red	2424 Sycamore St	Fort Worth	Tarrant	Texas
1	AAA. BBB. Purple	2525 Chestnut St	Dallas	Dallas	Texas
1	CCC. DDD. Yellow	2626 Walnut St	Houston	Harris	Texas
1	EEE. FFF. Orange	2727 Elm St	Austin	Cook	Texas
1	GGG. HHH. Green	2828 Oak St	San Antonio	Brewster	Texas
1	III. JJJ. Blue	2929 Pine St	Fort Worth	Tarrant	Texas
1	KKK. LLL. Red	3030 Cedar St	El Paso	El Paso	Texas
1	MMM. NNN. Purple	3131 Birch St	San Diego	San Diego	Texas
1	OOO. PPP. Yellow	3232 Spruce St	Phoenix	Maricopa	Texas
1	QQQ. RRR. Orange	3333 Willow St	Portland	Clatsop	Texas
1	SSS. TTT. Green	3434 Ash St	Seattle	King	Texas
1	UUU. VVV. Blue	3535 Magnolia St	Denver	Denver	Texas
1	WWW. XXX. Red	3636 Poplar St	Chicago	Cook	Texas
1	YYY. ZZZ. Purple	3737 Sycamore St	Los Angeles	Los Angeles	Texas
1	AAA. BBB. Yellow	3838 Chestnut St	Philadelphia	Philadelphia	Texas
1	CCC. DDD. Orange	3939 Walnut St	Pittsburgh	Pittsburgh	Texas
1	EEE. FFF. Green	4040 Elm St	Cincinnati	Cincinnati	Texas
1	GGG. HHH. Blue	4141 Oak St	St. Louis	St. Louis	Texas
1	III. JJJ. Red	4242 Pine St	Indianapolis	Indianapolis	Texas
1	KKK. LLL. Purple	4343 Cedar St	Columbus	Columbus	Texas
1	MMM. NNN. Yellow	4444 Birch St	San Francisco	San Francisco	Texas
1	OOO. PPP. Orange	4545 Spruce St	New York	New York	Texas
1	QQQ. RRR. Green	4646 Willow St	Boston	Boston	Texas
1	SSS. TTT. Blue	4747 Ash St	Washington	Washington	Texas
1	UUU. VVV. Red	4848 Magnolia St	San Jose	San Jose	Texas
1	WWW. XXX. Purple	4949 Poplar St	San Diego	San Diego	Texas
1	YYY. ZZZ. Yellow	5050 Hickory St	San Antonio	San Antonio	Texas
1	AAA. BBB. Orange	5151 Sycamore St	Fort Worth	Tarrant	Texas
1	CCC. DDD. Green	5252 Chestnut St	Dallas	Dallas	Texas
1	EEE. FFF. Blue	5353 Walnut St	Houston	Harris	Texas
1	GGG. HHH. Red	5454 Elm St	Austin	Cook	Texas
1	III. JJJ. Purple	5555 Oak St	San Antonio	Brewster	Texas
1	KKK. LLL. Yellow	5656 Pine St	Fort Worth	Tarrant	Texas
1	MMM. NNN. Orange	5757 Cedar St	El Paso	El Paso	Texas
1	OOO. PPP. Green	5858 Birch St	San Diego	San Diego	Texas
1	QQQ. RRR. Blue	5959 Spruce St	Phoenix	Maricopa	Texas
1	SSS. TTT. Red	6060 Willow St	Portland	Clatsop	Texas
1	UUU. VVV. Purple	6161 Ash St	Seattle	King	Texas
1	WWW. XXX. Yellow	6262 Magnolia St	Denver	Denver	Texas
1	YYY. ZZZ. Orange	6363 Poplar St	Chicago	Cook	Texas
1	AAA. BBB. Green	6464 Sycamore St	Los Angeles	Los Angeles	Texas
1	CCC. DDD. Blue	6565 Chestnut St	Philadelphia	Philadelphia	Texas
1	EEE. FFF. Red	6666 Walnut St	Pittsburgh	Pittsburgh	Texas
1	GGG. HHH. Purple	6767 Elm St	Cincinnati	Cincinnati	Texas
1	III. JJJ. Yellow	6868 Oak St	St. Louis	St. Louis	Texas
1	KKK. LLL. Orange	6969 Pine St	Indianapolis	Indianapolis	Texas
1	MMM. NNN. Green	7070 Cedar St	Columbus	Columbus	Texas
1	OOO. PPP. Blue	7171 Birch St	San Francisco	San Francisco	Texas
1	QQQ. RRR. Red	7272 Spruce St	New York	New York	Texas
1	SSS. TTT. Purple	7373 Willow St	Boston	Boston	Texas
1	UUU. VVV. Yellow	7474 Ash St	Washington	Washington	Texas
1	WWW. XXX. Orange	7575 Magnolia St	San Jose	San Jose	Texas
1	YYY. ZZZ. Green	7676 Poplar St	San Diego	San Diego	Texas
1	AAA. BBB. Blue	7777 Hickory St	San Antonio	San Antonio	Texas
1	CCC. DDD. Red	7878 Sycamore St	Fort Worth	Tarrant	Texas
1	EEE. FFF. Purple	7979 Chestnut St	Dallas	Dallas	Texas
1	GGG. HHH. Yellow	8080 Walnut St	Houston	Harris	Texas
1	III. JJJ. Orange	8181 Elm St	Austin	Cook	Texas
1	KKK. LLL. Green	8282 Oak St	San Antonio	Brewster	Texas
1	MMM. NNN. Blue	8383 Pine St	Fort Worth	Tarrant	Texas
1	OOO. PPP. Red	8484 Cedar St	El Paso	El Paso	Texas
1	QQQ. RRR. Purple	8585 Birch St	San Diego	San Diego	Texas
1	SSS. TTT. Yellow	8686 Spruce St	Phoenix	Maricopa	Texas
1	UUU. VVV. Orange	8787 Willow St	Portland	Clatsop	Texas
1	WWW. XXX. Green	8888 Ash St	Seattle	King	Texas
1	YYY. ZZZ. Blue	8989 Magnolia St	Denver	Denver	Texas
1	AAA. BBB. Red	9090 Poplar St	Chicago	Cook	Texas
1	CCC. DDD. Purple	9191 Sycamore St	Los Angeles	Los Angeles	Texas
1	EEE. FFF. Yellow	9292 Chestnut St	Philadelphia	Philadelphia	Texas
1	GGG. HHH. Orange	9393 Walnut St	Pittsburgh	Pittsburgh	Texas
1	III. JJJ. Green	9494 Elm St	Cincinnati	Cincinnati	Texas
1	KKK. LLL. Blue	9595 Oak St	St. Louis	St. Louis	Texas
1	MMM. NNN. Red	9696 Pine St	Indianapolis	Indianapolis	Texas
1	OOO. PPP. Purple	9797 Cedar St	Columbus	Columbus	Texas
1	QQQ. RRR. Yellow	9898 Birch St	San Francisco	San Francisco	Texas
1	SSS. TTT. Orange	9999 Spruce St	New York	New York	Texas
1	UUU. VVV. Green	10000 Willow St	Boston	Boston	Texas

I, _____, Secretary of the above named corporation, do hereby certify that the foregoing is a true and correct copy of the list of the names and addresses of the shareholders of the above named corporation as of this _____ day of _____, 19____.

Secretary

TABLE 3.--NUMBER OF VEHICLES, CLASSIFIED BY TYPES, USING TOLL FACILITIES AND DRAWBRIDGES IN OCTOBER 1944 COMPARED WITH THOSE IN OCTOBER 1943 AND 1941.

Facilities	October 1944			Percentage change from 1943			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	33,298	30,247	3,051	- 4.0	- 4.9	+ 6.2	-36.3	-38.0	-12.1
8 in the Middle Atlantic States	1,875,950	1,577,744	298,206	+ 3.0	+ 2.8	+ 4.1	-27.9	-31.2	- 2.5
Fleetwood Viaduct, Westchester County, New York	174,942	174,942	---	+ 7.7	+ 7.7	--	-50.0	-50.0	--
7 in the South Atlantic States	311,459	234,772	76,687	- 3.9	- 0.3	-13.2	-27.8	+32.8	- 7.0
TOTAL - 19 facilities in the Eastern States ¹	2,395,649	2,017,705	377,944	+ 2.3	+ 2.7	+ 0.1	-30.2	-33.7	- 3.5
TOTAL - 24 facilities in the Eastern States	2,709,411	2,283,601	425,810	+ 2.8	+ 3.2	+ 0.6			
FOUR CENTRAL REGIONS									
6 on the Great Lakes Canadian Border ²	364,759	320,177	44,582	+25.3	+26.4	+18.0	+ 3.1	- 1.1	+49.0
3 in the Great Lakes Region	112,463	82,453	30,010	- 0.7	+11.9	-24.1	-13.5	-25.7	+57.4
Subtotal - 9 facilities	477,222	402,630	74,592	+18.0	+28.1	- 3.5	- 1.3	- 7.4	+52.2
9 on the Ohio River ³	769,557	650,221	119,336	+ 7.1	+ 7.7	+ 3.6	-22.8	-24.2	-14.1
9 in Kentucky	133,431	103,853	29,578	+ 3.2	+ 3.2	+ 3.3	-26.7	-29.9	-12.7
Subtotal - 18 facilities	902,988	754,074	148,914	+ 6.5	+ 7.1	+ 3.6	-23.4	-25.0	-13.8
9 on the Mississippi and St. Croix Rivers, St. Louis and north	436,794	364,218	72,576	- 2.6	- 1.5	- 5.6	-41.0	-42.7	-30.8
3 on the Mississippi River south of St. Louis	77,518	56,473	21,045	+26.6	+25.9	+28.6	+ 2.9	+ 9.0	-10.6
Subtotal - 12 facilities	514,312	420,691	93,621	+ 0.9	+ 1.5	- 1.4	-36.9	-38.8	-27.1
3 on the Missouri River	109,720	86,110	23,610	+ 7.5	+ 9.8	0.0 ⁴	- 4.7	- 3.5	- 8.6
2 in the Missouri River area	2,992	2,426	566	+26.9	+31.3	+11.2	-23.8	-29.5	+16.0
Subtotal - 5 facilities	112,712	88,536	24,176	+ 8.0	+10.3	+ 0.3	- 5.3	- 4.5	- 8.1
TOTAL - 44 facilities in the Central States ¹	2,007,234	1,665,931	341,303	+ 7.6	+ 9.2	+ 0.3	-22.7	-25.0	- 9.4
TOTAL - 47 facilities in the Central States	2,149,959	1,775,731	374,228	+ 7.5	+ 9.2	+ 0.2			
TWO WESTERN REGIONS									
4 in California	2,158,956	1,876,102	282,854	- 2.6	- 4.0	+ 8.0	-14.6	-18.6	+23.4
4 in the Oregon--Washington area	211,306	178,343	32,963	+ 4.4	+ 5.0	+ 0.9	+ 1.1	- 4.0	+41.7
TOTAL - 8 facilities in the Western States	2,370,262	2,054,445	315,817	- 2.0	- 3.3	+ 7.2	-13.4	-17.3	+25.1
TOTAL - 71 facilities in the United States ¹	6,773,145	5,738,081	1,035,064	+ 2.2	+ 2.2	+ 2.2	-22.8	-25.9	+ 1.4
TOTAL - 79 facilities in the United States	7,229,632	6,113,777	1,115,855	+ 2.5	+ 2.5	+ 2.3			
4 facilities reporting only total traffic	201,399			- 0.3					
32 drawbridges in Eastern North Carolina (not toll) based on one 8-hour week day count at each bridge.	17,949	11,942	6,007	+ 5.6	+ 5.5	+ 5.7	-17.5	-22.6	- 5.1

¹These facilities have comparative data for 1944, 1943, 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.

⁴Less than +0.05.

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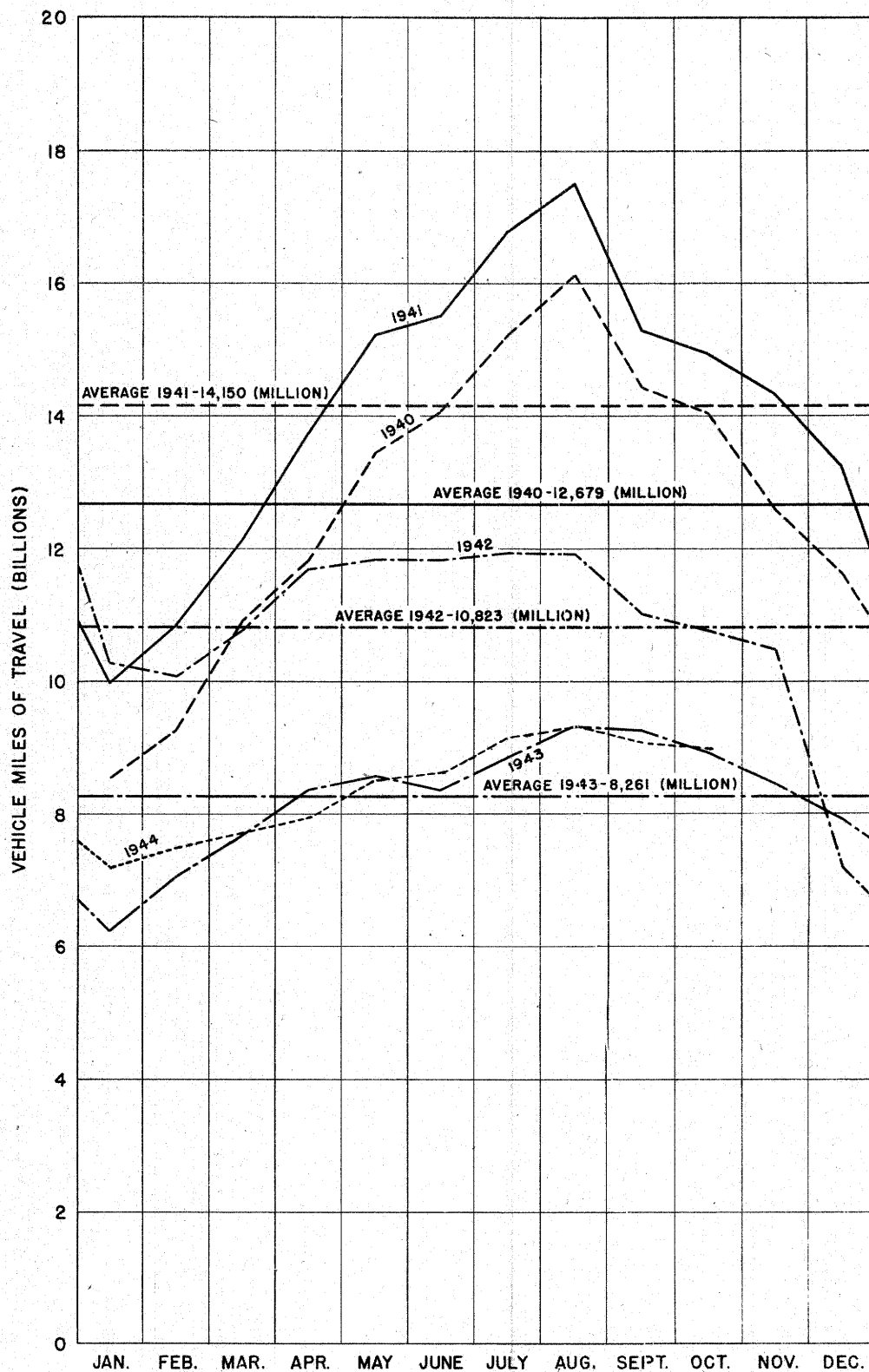
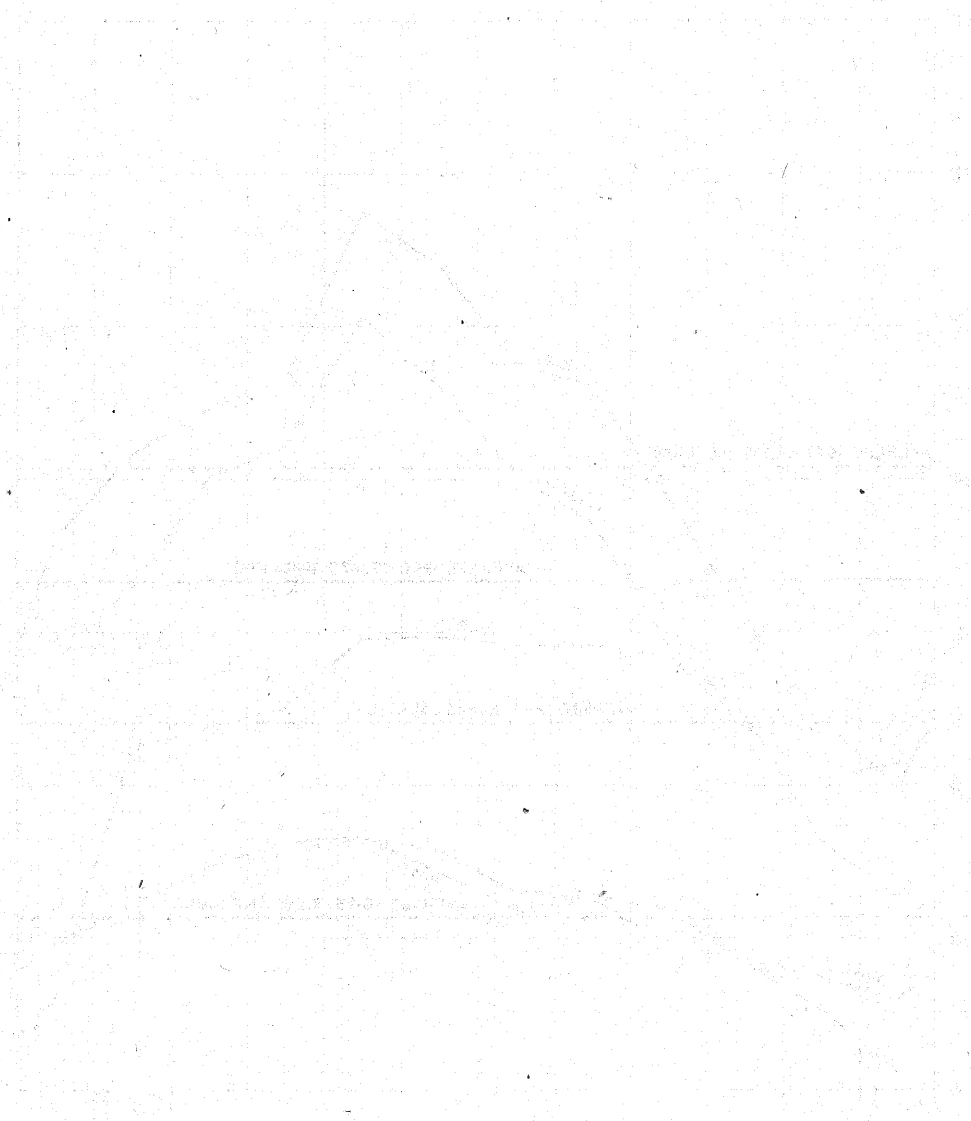


FIGURE I. VEHICLE MILES OF TRAVEL ON ALL RURAL ROADS 1940 TO 1944 BY MONTHS



THE UNIVERSITY OF MICHIGAN LIBRARY

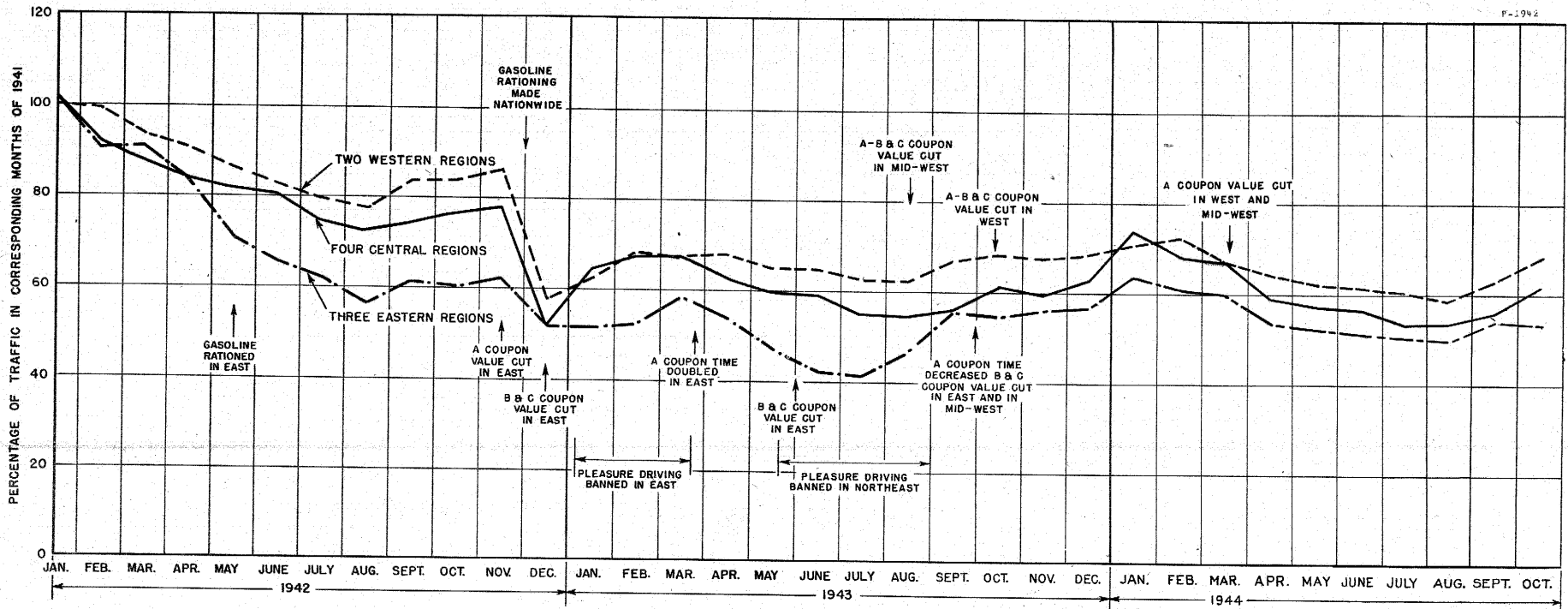


FIGURE 2. PERCENTAGE RELATIONS OF RURAL TRAFFIC IN MONTHS OF 1942, 1943, AND 1944 WITH THAT IN CORRESPONDING MONTHS OF 1941

