

PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

INFORMATIONAL MEMORANDUM

DATE: AUGUST 29, 1947

SUBJECT: TRAFFIC VOLUME TRENDS

On the basis of preliminary figures, traffic on all rural roads during July 1947 was higher than in any previous July, and in fact, reached an all-time high for any month. Volumes on city streets in the United States, as a whole, and on all rural roads in the eastern regions were lower than in 1941 but were higher than in any other previous year. Comparisons with July 1944, 1943, and 1946 are as follows:

	Percentage change from		
	1941	1943	1946
Main roads	+ 4.1	+107.8	+11.9
Local roads	+ 0.9	+ 89.0	+ 3.9
All rural roads	+ 3.3	+ 96.5	+ 9.8
City streets	- 2.1	+ 71.3	+ 5.6
Average	+ 0.7	+ 83.8	+ 7.8

The changes in rural traffic volumes by geographic regions were as follows:

	Percentage change from		
	1941	1943	1946
Eastern regions	- 8.2	+114.7	+10.5
Central regions	+ 5.1	+ 86.3	+10.2
Western regions	+23.3	+ 96.6	+ 7.5

H. S. FAIRBANK, DEPUTY COMMISSIONER
PUBLIC ROADS ADMINISTRATION

Attachments

FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE

INTERNAL SECURITY - R

DATE: 10/15/54

SUBJECT: [Illegible]

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Percentage change from		
1953	1952	1951
+1.1	+1.1	+1.1
+0.8	+0.8	+0.8
+0.5	+0.5	+0.5
+0.2	+0.2	+0.2
+0.1	+0.1	+0.1
+0.1	+0.1	+0.1

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Percentage change from		
1953	1952	1951
+1.1	+1.1	+1.1
+0.8	+0.8	+0.8
+0.5	+0.5	+0.5
+0.2	+0.2	+0.2
+0.1	+0.1	+0.1
+0.1	+0.1	+0.1

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TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA
FOR JULY 1947 INCLUDING 593 STATIONS IN 44 STATES¹

Type of highway and State	Number of stations	Traffic volume percentage change from July 1946	Type of highway and State	Number of stations	Traffic volume percentage change from July 1946
<i>STATE HIGHWAYS</i>			<i>STATE HIGHWAYS</i>		
Alabama	7	+16.5	(Continued)		
Arizona	5	+ 1.3	Vermont	6	+ 7.2
Arkansas	19	+18.9	Virginia	2	+16.2
California	7	+ 6.4	Washington	9	+ 3.1
Colorado	6	+ 9.5	West Virginia	11	+14.5
Connecticut	16	+16.9	Wisconsin	9	+13.4
Delaware	5	+19.6	Wyoming	5	+16.5
Georgia	5	+13.3			
Idaho	8	+14.1	<i>TOTAL - 44 STATES</i>	560	+11.9
Illinois	5	+27.1			
Indiana	21	+ 5.6	<i>LOCAL HIGHWAYS</i>		
Iowa	26	+17.0	Alabama	2	- 1.0
Kansas	12	+17.6	Connecticut	3	+ 7.9
Kentucky	8	+11.2	Delaware	2	+ 3.5
Louisiana	7	+10.3	Georgia	3	+ 8.5
Maine	10	+ 9.4	Indiana	1	+ 3.3
Massachusetts	9	+ 6.8	Iowa	7	+ 3.7
Michigan	26	+13.1	Michigan	2	+ 4.6
Mississippi	10	+21.3	Missouri	2	- 6.3
Missouri	25	+ 7.2	Montana	2	+10.1
Montana	12	+13.8	Nebraska	1	+32.3
Nebraska	11	+14.3	North Dakota	2	- 5.2
Nevada	16	+11.5	Ohio	2	+ 8.6
New Hampshire	15	+12.6	Oregon	1	- 0.5
New Mexico	14	+13.2	Rhode Island	1	+27.6
New York	1	+18.6	Tennessee	1	+ 0.6
North Carolina	18	+ 8.3	Wisconsin	1	+ 9.1
North Dakota	11	+12.9			
Ohio	21	+19.9	<i>TOTAL - 16 STATES</i>	33	+ 3.9
Oklahoma	20	+ 9.8			
Oregon	4	+22.2	<i>ALL HIGHWAYS</i>		
Pennsylvania	28	+ 1.1	<i>44 STATES</i>	593	+ 9.8
Rhode Island	2	+42.1			
South Carolina	1	+11.3	<i>3 EASTERN REGIONS</i>	138	+10.5
South Dakota	10	+15.3	<i>4 CENTRAL REGIONS</i>	355	+10.2
Tennessee	5	+23.0	<i>2 WESTERN REGIONS</i>	100	+ 7.5
Texas	81	+12.8			
Utah	11	+17.6			

¹Includes all States except Florida, Maryland, Minnesota, and New Jersey.

TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR JUNE 1947
INCLUDING 662 STATIONS IN 48 STATES¹

Region and State	Number of stations	Traffic volume percentage change from June 1946	Region and State	Number of stations	Traffic volume percentage change from June 1946
NEW ENGLAND			EAST SOUTH CENTRAL		
Connecticut	19	+14.2	Alabama	10	+13.0
Maine	10	+10.7	Kentucky	8	+10.6
Massachusetts	9	+ 6.3	Mississippi	10	+18.7
New Hampshire	15	+ 3.7	Tennessee	6	+24.1
Rhode Island	3	+16.9	<i>Subtotal</i>	34	+15.6
Vermont	10	+ 6.8	WEST SOUTH CENTRAL		
<i>Subtotal</i>	66	+ 9.9	Arkansas	19	+15.3
MIDDLE ATLANTIC			Louisiana	8	+ 4.7
New Jersey	2	+14.0	Oklahoma	20	+ 9.0
New York	2	+17.8	Texas	78	+12.2
Pennsylvania	28	+13.7	<i>Subtotal</i>	125	+11.0
<i>Subtotal</i>	32	+14.1	MOUNTAIN		
SOUTH ATLANTIC			Arizona	5	+13.1
Delaware	7	+22.3	Colorado	6	+14.4
Maryland	18	+11.8	Idaho	8	+16.9
Virginia	2	+15.5	Montana	14	+11.4
West Virginia	11	+16.3	Nevada	16	+11.6
<i>Subtotal north portion</i>	38	+14.5	New Mexico	14	+ 7.5
Florida	19	+17.0	Utah	11	+13.0
Georgia	10	+ 5.1	Wyoming	4	+13.9
North Carolina	18	+ 9.4	<i>Subtotal</i>	78	+12.5
South Carolina	1	+15.3	PACIFIC		
<i>Subtotal south portion</i>	48	+11.4	California	6	+ 6.5
<i>Subtotal region</i>	86	+13.0	Oregon	5	+15.9
EAST NORTH CENTRAL			Washington	10	+ 7.7
Illinois	5	+23.7	<i>Subtotal</i>	21	+ 8.5
Indiana	22	+ 3.8	TOTAL ALL STATES	662	+11.0
Michigan	28	+17.9	STATE HIGHWAYS	630	+13.0
Ohio	24	+16.5	LOCAL HIGHWAYS	32	+ 5.6
Wisconsin	10	+14.8	3 EASTERN REGIONS	184	+10.5
<i>Subtotal</i>	89	+14.1	4 CENTRAL REGIONS	379	+12.3
WEST NORTH CENTRAL			2 WESTERN REGIONS	99	+ 8.4
Iowa	33	+12.6			
Kansas	14	+14.8			
Minnesota	27	+14.2			
Missouri	23	+ 6.0			
Nebraska	12	+15.4			
North Dakota	12	+10.6			
South Dakota	10	+20.7			
<i>Subtotal</i>	131	+11.9			

¹Combined State and local highways.

STATE OF NEW YORK
 DEPARTMENT OF TAXATION AND FINANCE
 TAX RATES FOR 1964

Income	Rate	Income	Rate	Income	Rate
0 to \$100	0%	\$100 to \$200	1%	\$200 to \$300	2%
\$100 to \$200	1%	\$200 to \$300	2%	\$300 to \$400	3%
\$200 to \$300	2%	\$300 to \$400	3%	\$400 to \$500	4%
\$300 to \$400	3%	\$400 to \$500	4%	\$500 to \$600	5%
\$400 to \$500	4%	\$500 to \$600	5%	\$600 to \$700	6%
\$500 to \$600	5%	\$600 to \$700	6%	\$700 to \$800	7%
\$600 to \$700	6%	\$700 to \$800	7%	\$800 to \$900	8%
\$700 to \$800	7%	\$800 to \$900	8%	\$900 to \$1,000	9%
\$800 to \$900	8%	\$900 to \$1,000	9%	\$1,000 to \$1,500	10%
\$900 to \$1,000	9%	\$1,000 to \$1,500	10%	\$1,500 to \$2,000	11%
\$1,000 to \$1,500	10%	\$1,500 to \$2,000	11%	\$2,000 to \$2,500	12%
\$1,500 to \$2,000	11%	\$2,000 to \$2,500	12%	\$2,500 to \$3,000	13%
\$2,000 to \$2,500	12%	\$2,500 to \$3,000	13%	\$3,000 to \$3,500	14%
\$2,500 to \$3,000	13%	\$3,000 to \$3,500	14%	\$3,500 to \$4,000	15%
\$3,000 to \$3,500	14%	\$3,500 to \$4,000	15%	\$4,000 to \$4,500	16%
\$3,500 to \$4,000	15%	\$4,000 to \$4,500	16%	\$4,500 to \$5,000	17%
\$4,000 to \$4,500	16%	\$4,500 to \$5,000	17%	\$5,000 to \$5,500	18%
\$4,500 to \$5,000	17%	\$5,000 to \$5,500	18%	\$5,500 to \$6,000	19%
\$5,000 to \$5,500	18%	\$5,500 to \$6,000	19%	\$6,000 to \$6,500	20%
\$5,500 to \$6,000	19%	\$6,000 to \$6,500	20%	\$6,500 to \$7,000	21%
\$6,000 to \$6,500	20%	\$6,500 to \$7,000	21%	\$7,000 to \$7,500	22%
\$6,500 to \$7,000	21%	\$7,000 to \$7,500	22%	\$7,500 to \$8,000	23%
\$7,000 to \$7,500	22%	\$7,500 to \$8,000	23%	\$8,000 to \$8,500	24%
\$7,500 to \$8,000	23%	\$8,000 to \$8,500	24%	\$8,500 to \$9,000	25%
\$8,000 to \$8,500	24%	\$8,500 to \$9,000	25%	\$9,000 to \$9,500	26%
\$8,500 to \$9,000	25%	\$9,000 to \$9,500	26%	\$9,500 to \$10,000	27%
\$9,000 to \$9,500	26%	\$9,500 to \$10,000	27%	\$10,000 to \$15,000	28%
\$9,500 to \$10,000	27%	\$10,000 to \$15,000	28%	\$15,000 to \$20,000	29%
\$10,000 to \$15,000	28%	\$15,000 to \$20,000	29%	\$20,000 to \$25,000	30%
\$15,000 to \$20,000	29%	\$20,000 to \$25,000	30%	\$25,000 to \$30,000	31%
\$20,000 to \$25,000	30%	\$25,000 to \$30,000	31%	\$30,000 to \$35,000	32%
\$25,000 to \$30,000	31%	\$30,000 to \$35,000	32%	\$35,000 to \$40,000	33%
\$30,000 to \$35,000	32%	\$35,000 to \$40,000	33%	\$40,000 to \$45,000	34%
\$35,000 to \$40,000	33%	\$40,000 to \$45,000	34%	\$45,000 to \$50,000	35%
\$40,000 to \$45,000	34%	\$45,000 to \$50,000	35%	\$50,000 to \$55,000	36%
\$45,000 to \$50,000	35%	\$50,000 to \$55,000	36%	\$55,000 to \$60,000	37%
\$50,000 to \$55,000	36%	\$55,000 to \$60,000	37%	\$60,000 to \$65,000	38%
\$55,000 to \$60,000	37%	\$60,000 to \$65,000	38%	\$65,000 to \$70,000	39%
\$60,000 to \$65,000	38%	\$65,000 to \$70,000	39%	\$70,000 to \$75,000	40%
\$65,000 to \$70,000	39%	\$70,000 to \$75,000	40%	\$75,000 to \$80,000	41%
\$70,000 to \$75,000	40%	\$75,000 to \$80,000	41%	\$80,000 to \$85,000	42%
\$75,000 to \$80,000	41%	\$80,000 to \$85,000	42%	\$85,000 to \$90,000	43%
\$80,000 to \$85,000	42%	\$85,000 to \$90,000	43%	\$90,000 to \$95,000	44%
\$85,000 to \$90,000	43%	\$90,000 to \$95,000	44%	\$95,000 to \$100,000	45%
\$90,000 to \$95,000	44%	\$95,000 to \$100,000	45%	\$100,000 and over	46%
\$95,000 to \$100,000	45%	\$100,000 and over	46%		

TABLE 3.--NUMBER OF VEHICLES, CLASSIFIED BY TYPES, USING TOLL FACILITIES IN JULY 1947 COMPARED WITH THOSE IN JULY 1946 AND 1941.

Facilities	1947			Percentage change from 1946			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	106,969	100,180	6,789	+ 8.5	+ 9.0	+ 1.0	-11.6	-13.8	+41.0
14 in the Middle Atlantic States	12,208,070	10,858,271	1,349,799	+16.2	+17.2	+ 8.4	+30.7	+29.4	+41.5
Fleetwood Viaduct, Westchester County, New York	618,026	618,026	---	+19.6	+19.6	---	+ 8.1	+ 8.1	---
Pennsylvania Turnpike	363,826	321,066	42,760	+28.0	+32.0	+ 4.3	+13.2	+ 8.9	+60.4
5 in the South Atlantic States	530,746	438,579	92,167	+12.7	+13.6	+ 9.0	+ 9.5	+ 7.5	+19.6
TOTAL - 24 facilities¹	13,827,637	12,336,122	1,491,515	+16.4	+17.4	+ 8.3	+27.5	+26.1	+40.4
TOTAL - 26 facilities	15,030,922	13,444,075	1,586,847	+16.5	+17.6	+ 8.5	---	---	---
CENTRAL REGIONS									
2 on the Great Lakes Canadian Border	305,949	294,820	11,129	+16.8	+16.9	+14.7	+80.0	+80.2	+77.0
1 in the Great Lakes Region	98,079	94,915	3,164	+22.4	+23.1	+ 5.8	+28.5	+27.1	+91.5
Subtotal - 3 facilities	404,028	389,735	14,293	+18.2	+18.4	+12.6	+64.1	+63.5	+80.0
4 on the Ohio River	594,270	510,871	83,399	+ 8.7	+ 7.9	+13.9	+ 7.9	+ 6.6	+16.6
6 on the Mississippi and St. Croix Rivers St. Louis and North	642,267	568,632	73,635	+11.5	+11.6	+10.7	+ 3.0	+ 3.6	- 1.2
2 on the Mississippi River south of St. Louis	69,677	60,288	9,389	+13.4	+22.2	-22.5	+55.4	+59.6	+33.0
Subtotal - 8 facilities	711,944	628,920	83,024	+11.6	+12.5	+ 5.6	+ 6.6	+ 7.2	+ 1.8
3 on the Missouri River	177,298	146,316	30,982	+ 2.6	+ 5.0	- 7.4	+34.7	+37.7	+21.9
2 in the Missouri River area	7,905	6,896	1,009	+ 7.0	+ 6.2	+12.2	+33.5	+30.4	+59.4
Subtotal - 5 facilities	185,203	153,212	31,991	+ 2.8	+ 5.1	- 6.9	+34.6	+37.3	+22.9
TOTAL - 20 facilities¹	1,895,445	1,682,738	212,707	+11.1	+11.6	+ 6.9	+18.3	+18.9	+13.7
TOTAL - 25 facilities	2,178,327	1,927,795	250,532	+10.9	+12.0	+ 3.3	---	---	---
WESTERN REGIONS									
1 in California	2,127,595	1,927,209	200,386	+ 2.0	+ 1.6	+ 5.6	+31.0	+28.2	+65.1
4 in the Oregon-Washington Area	461,871	414,097	47,774	+ 6.3	+ 6.7	+ 3.3	+84.1	+81.8	+106.8
TOTAL - 5 facilities	2,589,466	2,341,306	248,160	+ 2.8	+ 2.5	+ 5.2	+38.1	+35.3	+71.8
UNITED STATES									
TOTAL - 49 facilities¹	18,312,548	16,360,166	1,952,382	+13.7	+14.4	+ 7.7	+27.9	+26.6	+40.1
TOTAL - 56 facilities	19,798,715	17,713,176	2,085,539	+13.9	+14.7	+ 7.5	---	---	---

¹These facilities have comparative data for 1947, 1946, and 1941 and are included in the larger total below.

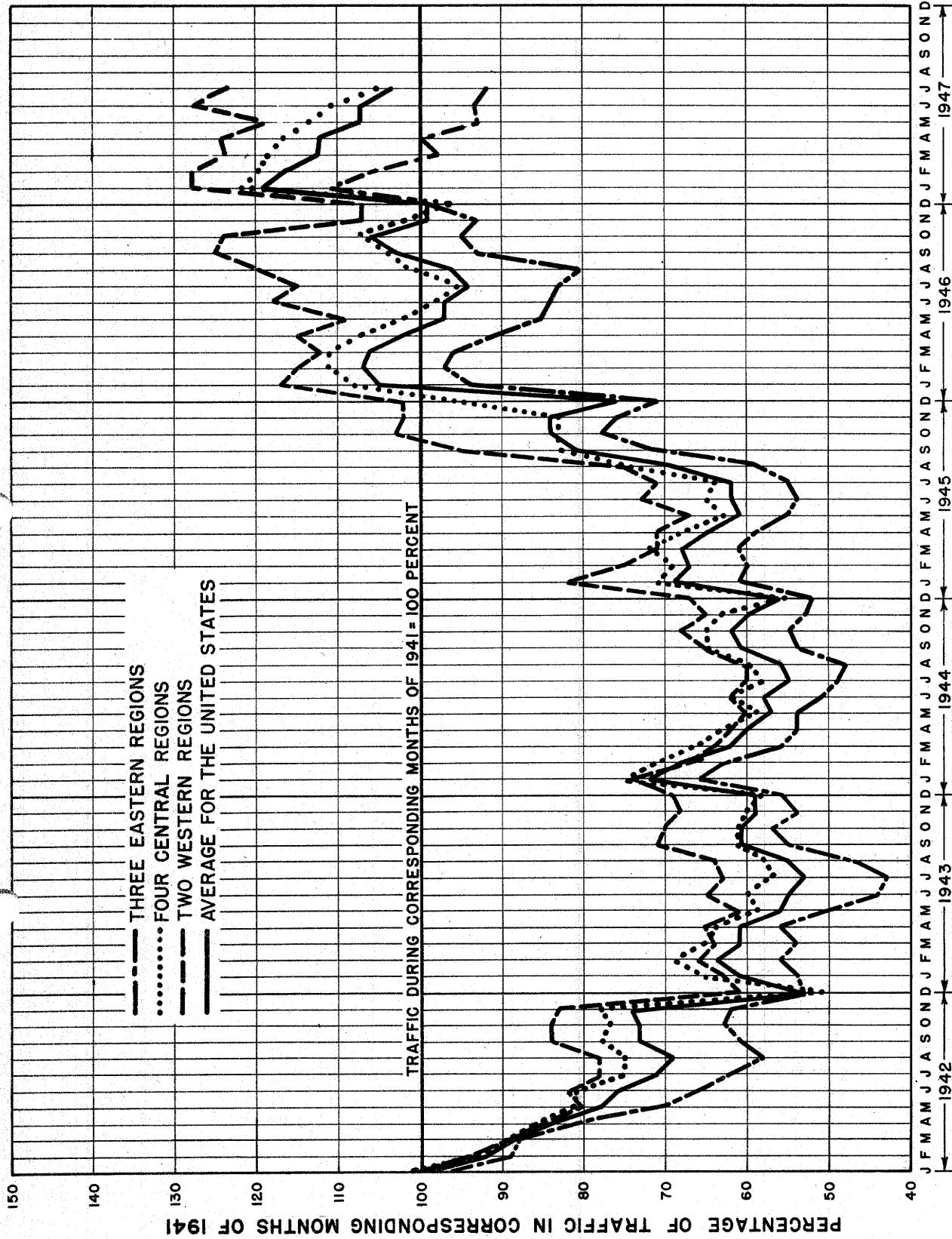


FIGURE 1—PERCENTAGE RELATIONS OF RURAL TRAFFIC BY MONTHS IN 1942 TO 1947 WITH THAT IN CORRESPONDING MONTHS OF 1941

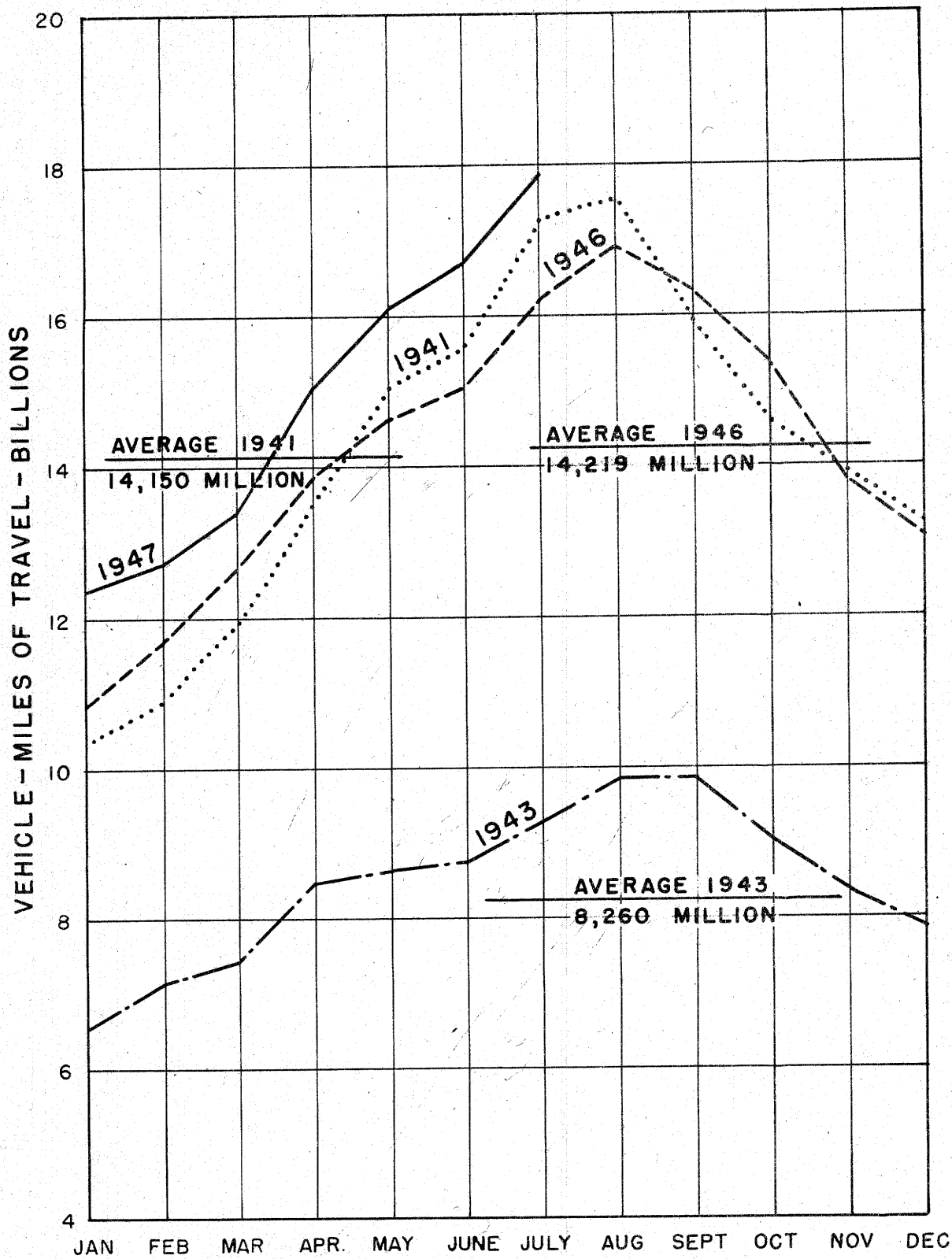
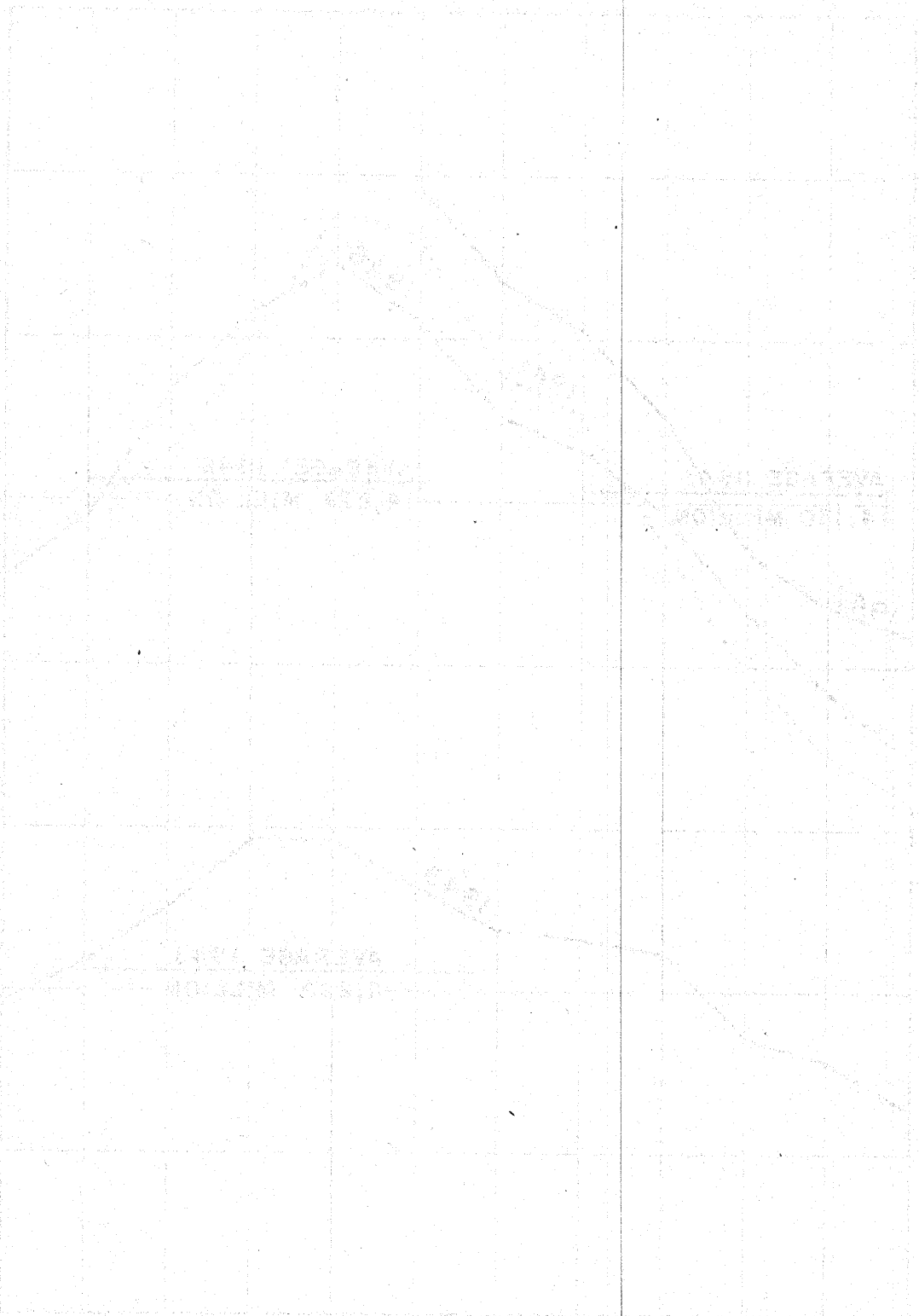


FIGURE 2 - VEHICLE - MILES OF TRAVEL ON ALL RURAL ROADS IN 1941, 1943, 1946 AND 1947



PROPOSED PROFILE AND EXISTING PROFILE

FIGURE 2 - VERTICAL CURVE DATA FOR THE PROPOSED PROFILE