

PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

INFORMATIONAL MEMORANDUM

DATE: OCTOBER 31, 1947

SUBJECT: TRAFFIC VOLUME TRENDS

On the basis of preliminary figures, traffic on all rural roads and city streets during September 1947 was higher than in any previous September. Increases were found on main highways, local roads, and city streets as follows:

	Percentage change from		
	1941	1943	1946
Main roads	+13.9	+91.3	+10.6
Local roads	+10.3	+72.6	+ 6.0
All rural roads	+12.9	+85.8	+ 9.3
City streets	+ 5.5	+55.2	+ 5.9
Average	+ 9.3	+70.2	+ 7.7

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

	Percentage change from		
	1941	1943	1946
Eastern regions	+ 2.6	+86.5	+ 9.9
Central regions	+14.1	+85.4	+10.2
Western regions	+31.9	+84.8	+ 5.9

H. S. FAIRBANK, DEPUTY COMMISSIONER
PUBLIC ROADS ADMINISTRATION

Attachments

R-5917

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TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA
FOR SEPTEMBER 1947 INCLUDING 589 STATIONS IN 43 STATES¹

Type of highway and State	Number of stations	Traffic volume percentage change from Sept. 1946	Type of highway and State	Number of stations	Traffic volume percentage change from Sept. 1946
<i>STATE HIGHWAYS</i>			<i>STATE HIGHWAYS</i>		
Alabama	5	+13.7	(Continued)		
Arizona	5	+ 8.9	Utah	11	+10.2
Arkansas	17	+ 9.9	Vermont	6	+17.0
California	6	- 2.1	Washington	9	+ 7.4
Connecticut	16	+13.2	West Virginia	11	+15.4
Delaware	3	+ 5.5 ^o	Wisconsin	9	+ 8.5
Florida	19	+ 8.6	Wyoming	5	+ 7.6
Georgia	7	+ 9.7			
Idaho	8	+17.4	<i>TOTAL - 43 STATES</i>	560	+10.6
Illinois	5	+19.8			
Indiana	21	+ 6.3	<i>LOCAL HIGHWAYS</i>		
Iowa	23	+19.1	Alabama	2	- 3.0
Kansas	14	+ 9.6	Connecticut	3	+ 4.1
Kentucky	7	+ 8.7	Delaware	2	+ 4.7
Louisiana	8	+ 5.7	Georgia	3	- 2.0
Maine	10	+ 8.6	Indiana	1	- 3.3
Maryland	17	+ 5.7	Iowa	6	+ 4.2
Massachusetts	9	+ 7.2	Maryland	1	-13.1
Minnesota	27	+12.2	Montana	2	+26.0
Mississippi	10	+ 8.3	Nebraska	1	+34.0
Montana	11	+18.5	North Dakota	2	+15.0
Nebraska	10	+15.7	Ohio	2	+21.4
Nevada	16	+ 9.9	Oregon	1	- 3.1
New Hampshire	15	+ 5.1	Rhode Island	1	+40.6
New Jersey	4	+19.6	Tennessee	1	- 2.0
New Mexico	14	+ 5.9	Wisconsin	1	+10.1
New York	2	+ 7.8			
North Carolina	18	+ 7.5	<i>TOTAL - 15 STATES</i>	29	+ 6.0
North Dakota	10	+13.8			
Ohio	20	+11.6	<i>ALL HIGHWAYS</i>		
Oklahoma	20	+ 6.1	43 STATES	589	+ 9.3
Oregon	3	+20.1			
Pennsylvania	28	+18.3	3 EASTERN REGIONS	177	+ 9.9
Rhode Island	2	+ 3.3	4 CENTRAL REGIONS	321	+10.2
South Dakota	10	+12.8	2 WESTERN REGIONS	91	+ 5.9
Tennessee	7	+14.8			
Texas	82	+13.6			

¹Includes all States except Colorado, Michigan, Missouri, South Carolina, and Virginia.

FEDERAL BUREAU OF INVESTIGATION
 DEPARTMENT OF JUSTICE

Date of Birth	Age	Place of Birth	Race	Sex	Height
1911-01-15	35	Chicago, Ill.	White	Male	5-10
1912-03-22	34	St. Paul, Minn.	White	Male	5-8
1913-05-10	33	St. Louis, Mo.	White	Male	5-9
1914-07-18	32	St. Paul, Minn.	White	Male	5-11
1915-09-25	31	St. Paul, Minn.	White	Male	5-10
1916-11-02	30	St. Paul, Minn.	White	Male	5-9
1917-12-15	29	St. Paul, Minn.	White	Male	5-8
1918-01-20	28	St. Paul, Minn.	White	Male	5-10
1919-02-28	27	St. Paul, Minn.	White	Male	5-9
1920-03-15	26	St. Paul, Minn.	White	Male	5-11
1921-04-22	25	St. Paul, Minn.	White	Male	5-10
1922-05-10	24	St. Paul, Minn.	White	Male	5-9
1923-06-18	23	St. Paul, Minn.	White	Male	5-11
1924-07-25	22	St. Paul, Minn.	White	Male	5-10
1925-08-02	21	St. Paul, Minn.	White	Male	5-9
1926-09-15	20	St. Paul, Minn.	White	Male	5-8
1927-10-22	19	St. Paul, Minn.	White	Male	5-10
1928-11-28	18	St. Paul, Minn.	White	Male	5-9
1929-12-10	17	St. Paul, Minn.	White	Male	5-11
1930-01-18	16	St. Paul, Minn.	White	Male	5-10
1931-02-25	15	St. Paul, Minn.	White	Male	5-9
1932-03-12	14	St. Paul, Minn.	White	Male	5-11
1933-04-20	13	St. Paul, Minn.	White	Male	5-10
1934-05-28	12	St. Paul, Minn.	White	Male	5-9
1935-06-15	11	St. Paul, Minn.	White	Male	5-11
1936-07-22	10	St. Paul, Minn.	White	Male	5-10
1937-08-30	9	St. Paul, Minn.	White	Male	5-9
1938-09-18	8	St. Paul, Minn.	White	Male	5-11
1939-10-25	7	St. Paul, Minn.	White	Male	5-10
1940-11-12	6	St. Paul, Minn.	White	Male	5-9
1941-12-20	5	St. Paul, Minn.	White	Male	5-11
1942-01-28	4	St. Paul, Minn.	White	Male	5-10
1943-02-15	3	St. Paul, Minn.	White	Male	5-9
1944-03-22	2	St. Paul, Minn.	White	Male	5-11
1945-04-10	1	St. Paul, Minn.	White	Male	5-10

TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR AUGUST
1947 INCLUDING 666 STATIONS IN 47 STATES¹

Region and State	Number of stations	Traffic volume percentage change from Aug. 1946	Region and State	Number of stations	Traffic volume percentage change from Aug. 1946
NEW ENGLAND			EAST SOUTH CENTRAL		
Connecticut	19	+16.3	Alabama	8	+12.4
Maine	10	+10.6	Kentucky	8	+ 8.8
Massachusetts	9	+12.6	Mississippi	10	+11.9
New Hampshire	15	+13.8	Tennessee	6	+14.0
Rhode Island	3	+25.2	Subtotal	32	+11.3
Vermont	10	+11.6	WEST SOUTH CENTRAL		
Subtotal	68	+14.4	Arkansas	16	+14.8
MIDDLE ATLANTIC			Louisiana	8	+ 4.0
New Jersey	4	+21.0	Oklahoma	20	+ 9.0
New York	3	+10.5	Texas	82	+ 9.0
Pennsylvania	28	+14.4	Subtotal	126	+ 8.9
Subtotal	35	+15.4	MOUNTAIN		
SOUTH ATLANTIC			Arizona	5	+ 5.6
Delaware	6	+17.3	Colorado	6	+11.2
Maryland	18	+ 9.7	Idaho	8	+14.2
Virginia	3	+17.7	Montana	14	+14.4
West Virginia	11	+21.4	Nevada	16	+12.4
Subtotal north portion	38	+13.7	New Mexico	14	+13.8
Florida	19	+17.2	Utah	11	+10.5
Georgia	10	+ 6.7	Wyoming	5	+15.1
North Carolina	18	+ 8.4	Subtotal	79	+11.8
Subtotal south portion	47	+10.9	PACIFIC		
Subtotal region	85	+12.5	California	8	+ 6.2
EAST NORTH CENTRAL			Oregon	4	+23.1
Illinois	4	+25.2	Washington	9	+ 7.8
Indiana	22	+ 6.0	Subtotal	21	+ 9.1
Michigan	28	+13.0	TOTAL ALL STATES²	666	+10.2
Ohio	24	+11.8	STATE HIGHWAYS²	633	+11.8
Wisconsin	10	+ 7.2	LOCAL HIGHWAYS	33	+ 5.6
Subtotal	88	+10.7	3 EASTERN REGIONS	186	+10.9
WEST NORTH CENTRAL			4 CENTRAL REGIONS	380	+10.2
Iowa	33	+14.0	2 WESTERN REGIONS	100	+ 8.9
Kansas	14	+18.5			
Minnesota	27	+18.3			
Missouri	27	+10.9			
Nebraska	12	+12.7			
North Dakota	13	+14.1			
South Dakota	8	+11.9			
Subtotal	134	+14.5			

¹Combined State and local highways.

²Includes all States except South Carolina.

TABLE 2--REVENUE FROM ADVERTISING AND SALES OF PUBLICATIONS BY STATE, 1958

State	Revenue from Advertising (1958)	Revenue from Sales of Publications (1958)	Total Revenue (1958)
Alabama	1,100,000	1,000,000	2,100,000
Alaska	100,000	100,000	200,000
Arizona	1,000,000	1,000,000	2,000,000
Arkansas	1,000,000	1,000,000	2,000,000
California	10,000,000	10,000,000	20,000,000
Colorado	1,000,000	1,000,000	2,000,000
Connecticut	1,000,000	1,000,000	2,000,000
Delaware	1,000,000	1,000,000	2,000,000
District of Columbia	1,000,000	1,000,000	2,000,000
Florida	1,000,000	1,000,000	2,000,000
Georgia	1,000,000	1,000,000	2,000,000
Hawaii	1,000,000	1,000,000	2,000,000
Idaho	1,000,000	1,000,000	2,000,000
Illinois	1,000,000	1,000,000	2,000,000
Indiana	1,000,000	1,000,000	2,000,000
Iowa	1,000,000	1,000,000	2,000,000
Kansas	1,000,000	1,000,000	2,000,000
Kentucky	1,000,000	1,000,000	2,000,000
Louisiana	1,000,000	1,000,000	2,000,000
Maine	1,000,000	1,000,000	2,000,000
Maryland	1,000,000	1,000,000	2,000,000
Massachusetts	1,000,000	1,000,000	2,000,000
Michigan	1,000,000	1,000,000	2,000,000
Minnesota	1,000,000	1,000,000	2,000,000
Mississippi	1,000,000	1,000,000	2,000,000
Missouri	1,000,000	1,000,000	2,000,000
Montana	1,000,000	1,000,000	2,000,000
Nebraska	1,000,000	1,000,000	2,000,000
Nevada	1,000,000	1,000,000	2,000,000
New Hampshire	1,000,000	1,000,000	2,000,000
New Jersey	1,000,000	1,000,000	2,000,000
New Mexico	1,000,000	1,000,000	2,000,000
New York	1,000,000	1,000,000	2,000,000
North Carolina	1,000,000	1,000,000	2,000,000
North Dakota	1,000,000	1,000,000	2,000,000
Ohio	1,000,000	1,000,000	2,000,000
Oklahoma	1,000,000	1,000,000	2,000,000
Oregon	1,000,000	1,000,000	2,000,000
Pennsylvania	1,000,000	1,000,000	2,000,000
Rhode Island	1,000,000	1,000,000	2,000,000
South Carolina	1,000,000	1,000,000	2,000,000
South Dakota	1,000,000	1,000,000	2,000,000
Tennessee	1,000,000	1,000,000	2,000,000
Texas	1,000,000	1,000,000	2,000,000
Utah	1,000,000	1,000,000	2,000,000
Vermont	1,000,000	1,000,000	2,000,000
Virginia	1,000,000	1,000,000	2,000,000
Washington	1,000,000	1,000,000	2,000,000
West Virginia	1,000,000	1,000,000	2,000,000
Wisconsin	1,000,000	1,000,000	2,000,000
Wyoming	1,000,000	1,000,000	2,000,000
Total	100,000,000	100,000,000	200,000,000

Source: Bureau of Economic Warfare and Control Administration, Office of Economic Warfare, Washington, D.C.

TABLE 3.--NUMBER OF VEHICLES, CLASSIFIED BY TYPES, USING TOLL FACILITIES IN SEPTEMBER 1947 COMPARED WITH THOSE IN SEPTEMBER 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									
2 in the New England States	62,002	56,986	5,016	+ 5.6	+ 4.6	+18.3	+ 2.0	- 1.4	+67.1
14 in the Middle Atlantic States	12,039,532	10,593,089	1,446,443	+14.9	+13.3	+28.1	+39.2	+37.6	+51.4
Pennsylvania Turnpike ¹	316,923	263,079	53,844	+19.4	+16.6	+35.1	+23.6	+16.4	+76.4
5 in the South Atlantic States	471,258	379,410	91,848	+11.0	+ 8.0	+25.3	+ 6.9	+ 2.4	+30.7
TOTAL - 22 facilities²	12,889,715	11,292,564	1,597,151	+14.8	+13.2	+28.1	+37.0	+35.2	+50.8
TOTAL - 24 facilities	14,013,503	12,316,978	1,696,525	+14.9	+13.3	+27.9	--	--	--
CENTRAL REGIONS									
3 on the Great Lakes Canadian Border ³	496,220	477,536	18,684	+14.8	+14.8	+14.6	+90.1	+89.7	+100.1
1 in the Great Lakes Region	53,150	50,145	3,005	+12.7	+13.6	- 0.3	+53.0	+50.9	+98.1
Subtotal - 4 facilities	549,370	527,681	21,689	+14.6	+14.7	+12.3	+85.7	+85.2	+99.0
4 on the Ohio River	358,361	309,851	48,510	+ 6.1	+ 5.4	+10.6	+13.0	+11.2	+26.4
1 in Kentucky	13,828	10,181	3,647	+14.0	+ 8.6	+32.3	+124.5	+114.9	+156.3
Subtotal - 5 facilities	372,189	320,032	52,157	+ 6.3	+ 5.5	+11.9	+15.1	+12.0	+31.1
7 on the Mississippi and St. Croix Rivers St. Louis and North	761,240	656,260	104,980	+11.9	+ 9.3	+30.9	- 3.6	- 4.7	+ 4.5
1 on the Mississippi River south of St. Louis	18,593	14,440	4,153	+17.9	+22.0	+ 5.4	+50.6	+61.3	+22.3
Subtotal - 8 facilities	779,833	670,700	109,133	+12.0	+ 9.6	+29.7	- 2.7	- 3.9	+ 5.1
3 on the Missouri River	177,571	144,406	33,165	+13.7	+10.4	+31.2	+45.9	+51.0	+27.1
2 in the Missouri River area	6,895	5,807	1,088	- 1.6	- 3.4	+ 8.8	+31.4	+28.0	+53.2
Subtotal - 5 facilities	184,466	150,213	34,253	+13.1	+ 9.8	+30.4	+45.3	+50.0	+27.8
TOTAL - 22 facilities²	1,885,858	1,658,626	217,232	+11.7	+10.3	+23.2	+21.9	+22.1	+19.8
TOTAL - 26 facilities	2,097,040	1,847,484	249,556	+11.3	+ 9.9	+23.1	--	--	--
WESTERN REGIONS									
1 in California	2,184,210	1,981,846	202,364	+ 6.6	+ 6.3	+ 9.5	+30.8	+28.6	+56.9
4 in the Oregon-Washington area	422,256	371,530	50,726	+ 8.5	+ 8.4	+ 9.0	+95.0	+92.6	+114.7
TOTAL - 5 facilities	2,606,466	2,353,376	253,090	+ 6.9	+ 6.6	+ 9.4	+38.1	+35.7	+65.9
UNITED STATES									
TOTAL - 49 facilities²	17,382,039	15,314,566	2,067,473	+13.2	+11.8	+25.0	+35.3	+33.7	+48.4
TOTAL - 55 facilities	18,717,009	16,517,838	2,199,171	+13.3	+11.9	+24.9	--	--	--

¹Number of vehicles, those using any portion of the facility.

²These facilities have comparative data for 1947, 1946, and 1941 and are included in the larger total below.

³One of these facilities is in Western New York and therefore is related to similar facilities in the Central States.

RECORDS OF THE DEPARTMENT OF THE ARMY
OFFICE OF THE ADJUTANT GENERAL
WASHINGTON, D. C.

NAME		GRADE		COMPONENT		STATUS		REMARKS
LAST	FIRST	PRESENT	PREVIOUS	ORGANIZATION	FUNCTION	DATE	REASON	
SECTION 1								
SMITH	JAMES	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
JOHN	WILLIAM	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
SECTION 2								
DAVIS	ROBERT	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
WILLIAMS	EDWARD	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
SECTION 3								
BROWN	THOMAS	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
WILSON	CHARLES	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
SECTION 4								
MOORE	FRANK	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
SCOTT	ALBERT	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
SECTION 5								
MILLER	WALTER	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
GREEN	JOHN	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
SECTION 6								
BAKER	ROBERT	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
WALTER	EDWARD	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
SECTION 7								
HARRIS	THOMAS	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
SPENCER	CHARLES	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
SECTION 8								
MORRIS	FRANK	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
WATSON	ALBERT	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
SECTION 9								
MARTIN	WALTER	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
LEWIS	JOHN	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
SECTION 10								
ANDERSON	ROBERT	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	
THOMAS	EDWARD	MAJ	MAJ	ADJUTANT GENERAL	ADJUTANT GENERAL	1965	RETIRED	

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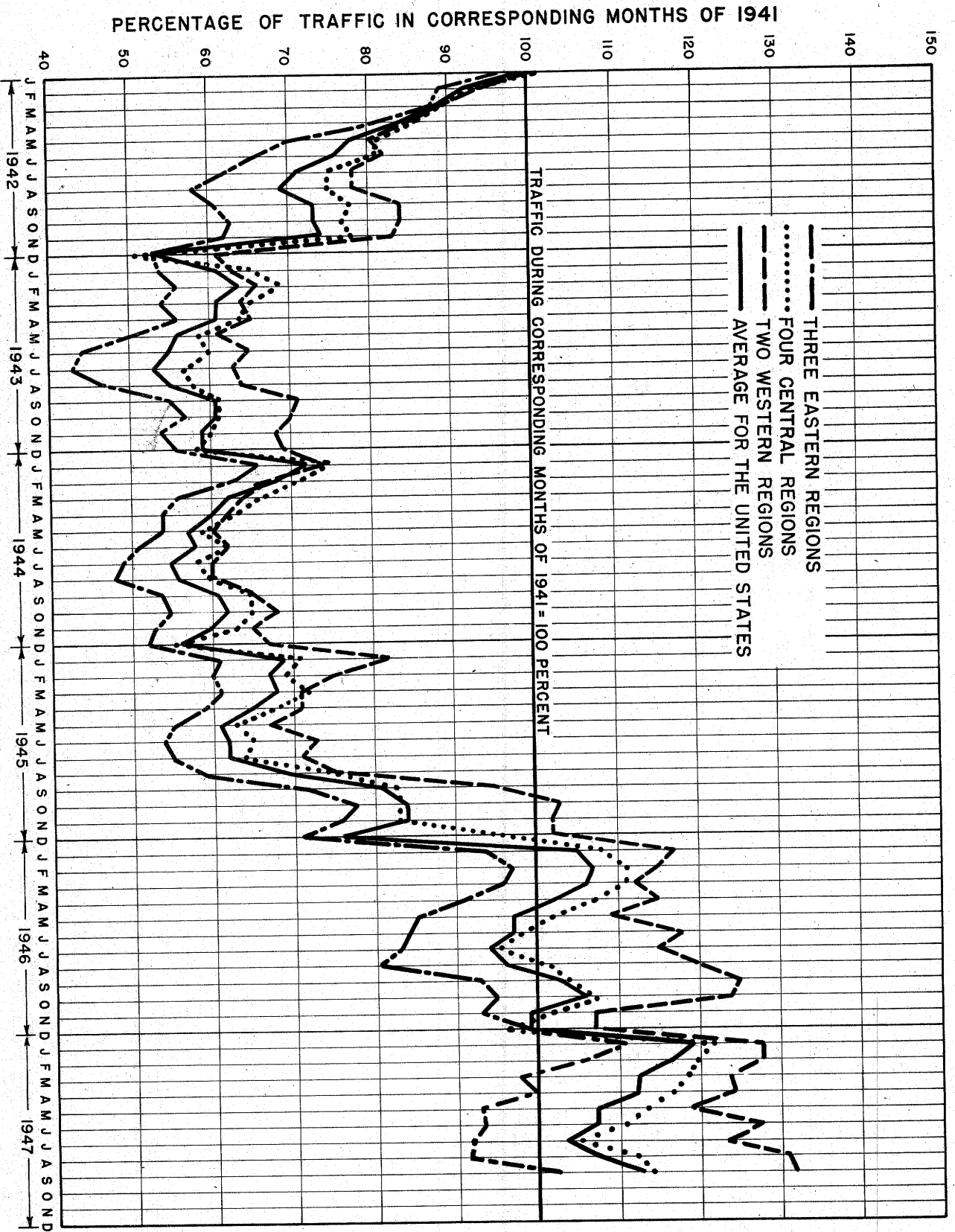


FIGURE 1—PERCENTAGE RELATIONS OF RURAL TRAFFIC BY MONTHS IN 1942 TO 1947 WITH THOSE IN CORRESPONDING MONTHS OF 1941

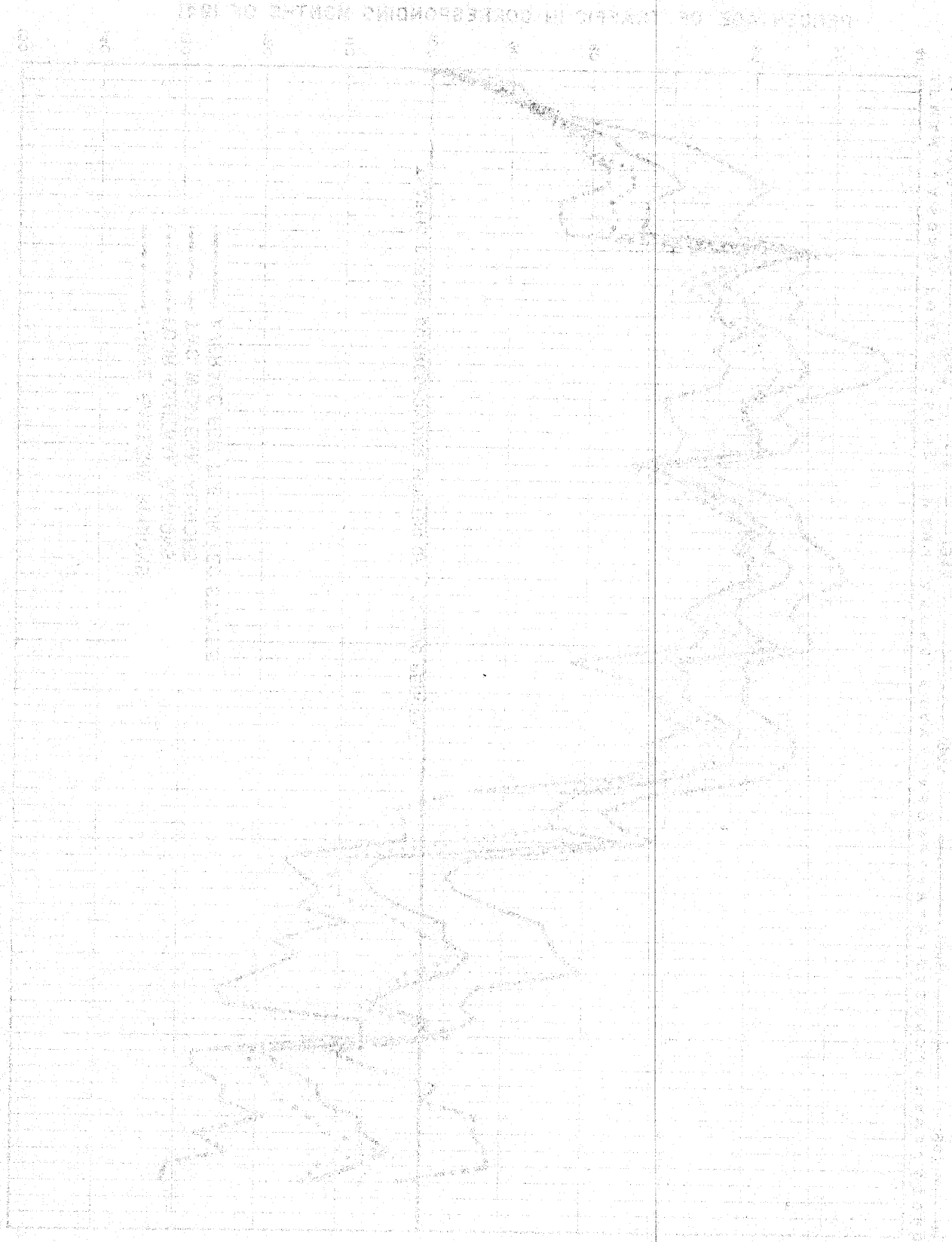


FIGURE 1. TEMPERATURE OF SURFACE OF THOMAS RIVER WITH CORRELATION COEFFICIENT OF 0.91

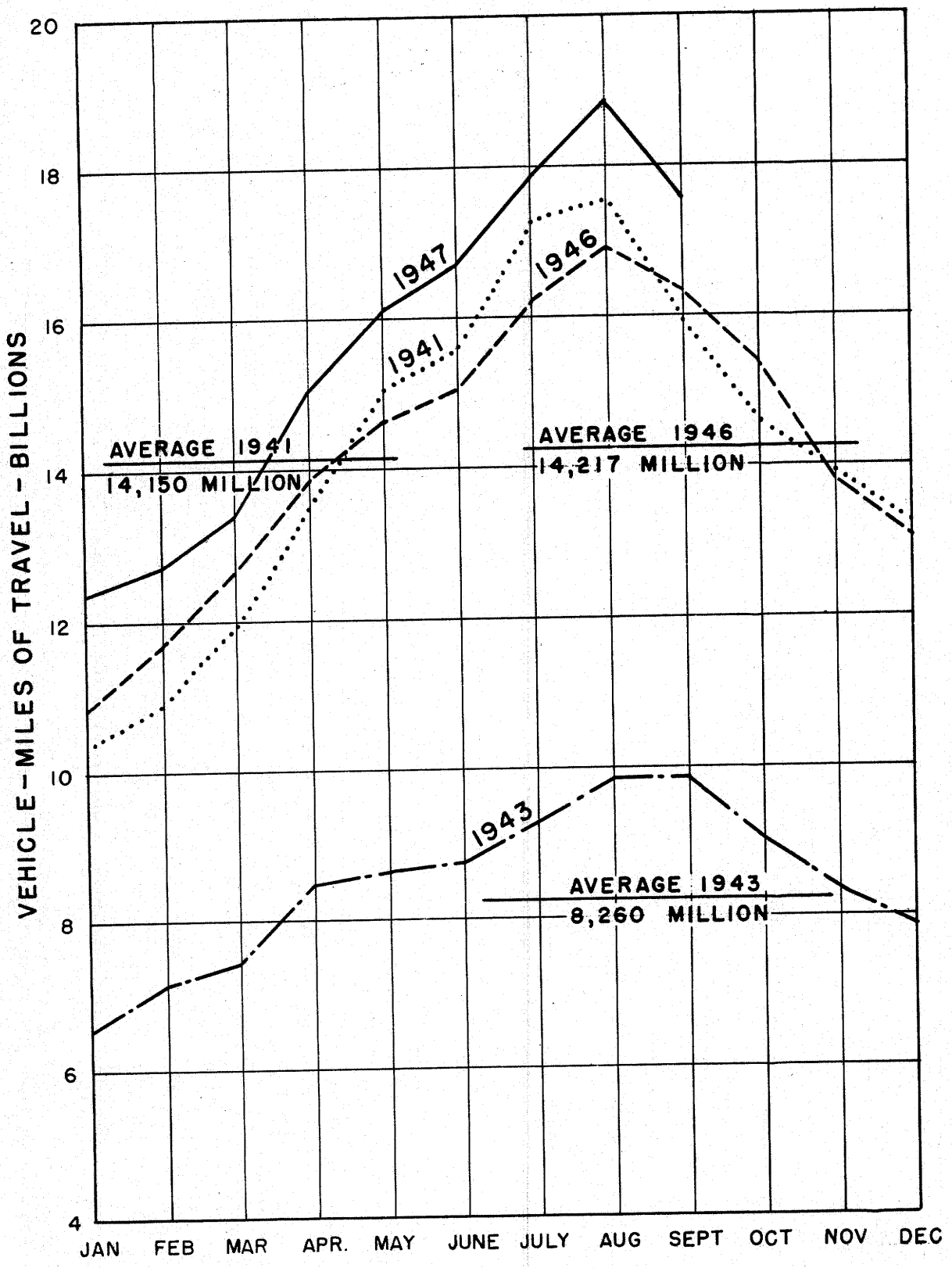


FIGURE 2 - VEHICLE - MILES OF TRAVEL ON ALL RURAL ROADS IN 1941, 1943, 1946 AND 1947

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

