

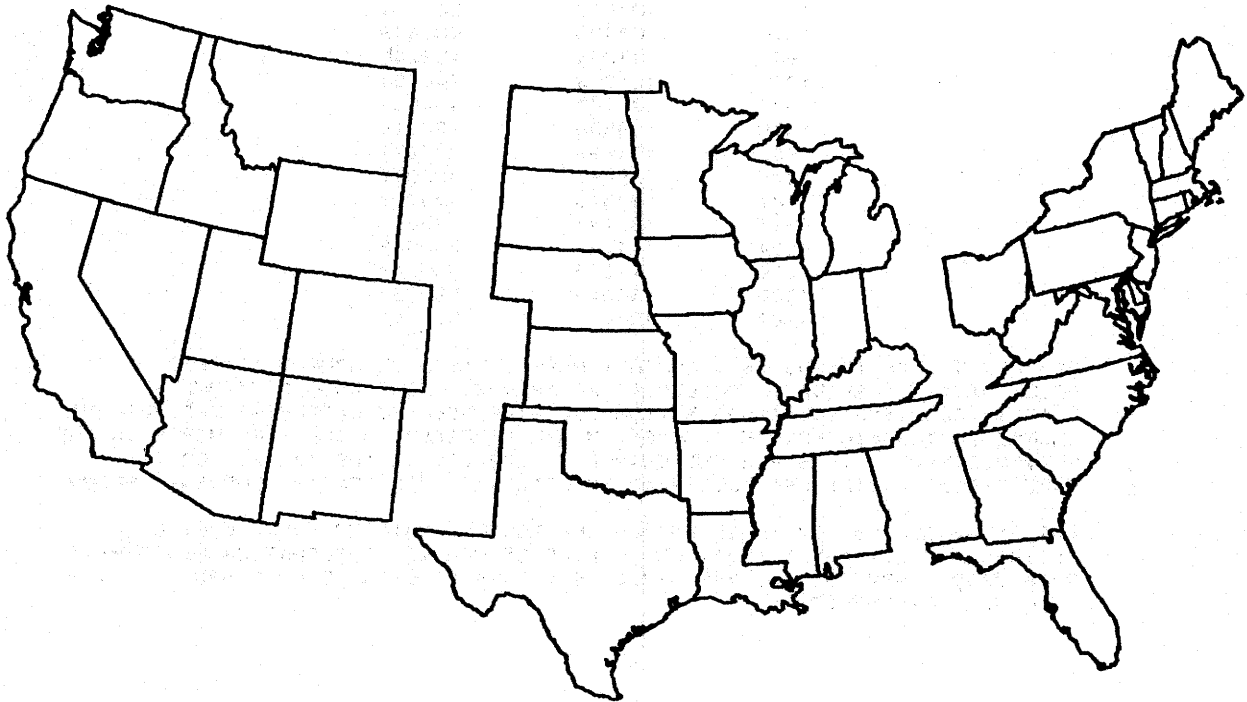


U.S. Department  
of Transportation  
Federal Highway  
Administration

# TRAFFIC VOLUME TRENDS

## APRIL 1987

**TRAVEL ON ALL ROADS AND STREETS IS UP BY 5.2 PERCENT  
FOR APRIL 1987 AS COMPARED TO APRIL 1986.**



WESTERN	CENTRAL	EASTERN
ESTIMATED VEHICLE MILES OF TRAVEL BY REGION - APRIL 1987.		
33.8 BILLION	68.6 BILLION	57.7 BILLION
PERCENT CHANGE IN TRAFFIC COMPARED TO SAME MONTH LAST YEAR		
+6.4	+4.7	+5.1

**NOTE:**

ALL DATA FOR THIS MONTH ARE PRELIMINARY. REVISED VALUES FOR THE  
PREVIOUS MONTH ARE SHOWN IN TABLES 1 AND 2.

ALL VEHICLE MILES OF TRAVEL HAVE BEEN COMPUTED WITH 1985 VM-2 AS A BASE  
COMPILED WITH DATA ON HAND AS OF JUNE 12, 1987.

TRAFFIC VOLUME TRENDS - APRIL 1987

BASED ON PRELIMINARY REPORTS FROM THE STATE HIGHWAY AGENCIES, TRAVEL DURING APRIL 1987 ON ALL ROADS AND STREETS IN THE NATION INCREASED BY 5.2 PERCENT AS COMPARED TO APRIL 1986, RESULTING IN ESTIMATED TRAVEL FOR THE MONTH AT 161039 MILLION VEHICLE MILES. THIS TOTAL INCLUDES 66149 MILLION VEHICLE MILES ON RURAL ROADS AND 94890 MILLION VEHICLE MILES ON URBAN ROADS AND STREETS.

TRAVEL FOR THE CURRENT MONTH AS WELL AS THE CUMULATIVE YEARLY TOTAL ON ALL ROADS AND STREETS IS SHOWN BELOW. SIMILAR TOTALS FOR EACH YEAR SINCE 1970 ARE ALSO INCLUDED.

TRAVEL IN MILLIONS ALL ROADS AND STREETS		
YEAR	APRIL	YEAR TO DATE
1970	89956	337794
1971	98106	356534
1972	103238	386901
1973	108120	404841
1974	104579	386771
1975	107133	402848
1976	117014	432286
1977	121513	446334
1978	122741	464632
1979	129539	484949
1980	125698	474677
1981	128465	482077
1982	129845	475296
1983	132741	496819
1984	141327	518646
1985	147635	535548
1986	153073	561067
1987	161039	587069

TRAFFIC VOLUME TRENDS IS A MONTHLY REPORT BASED ON HOURLY TRAFFIC COUNT DATA. THESE DATA, COLLECTED AT APPROXIMATELY 4000 CONTINUOUS TRAFFIC COUNTING LOCATIONS NATIONWIDE, ARE USED TO DETERMINE THE PERCENT CHANGE IN TRAFFIC FOR THE CURRENT MONTH COMPARED TO THE SAME MONTH IN THE PREVIOUS YEAR. THIS PERCENT CHANGE IS APPLIED TO THE TRAVEL FOR THE SAME PERIOD IN THE PREVIOUS YEAR TO OBTAIN TRAVEL FOR THE CURRENT PERIOD.

FOR EXTRA COPIES, OR TO BE PUT ON THE MONTHLY MAILING LIST, CONTACT: FEDERAL HIGHWAY ADMINISTRATION, OFFICE OF HIGHWAY INFORMATION MANAGEMENT, ROOM 3300 - HPM-30, 400 7TH STREET S.W., WASHINGTON, D.C. 20590. PHONE 202-366-5055.

FIGURE 1 - MOVING 12 MONTH TOTAL ON ALL HIGHWAYS

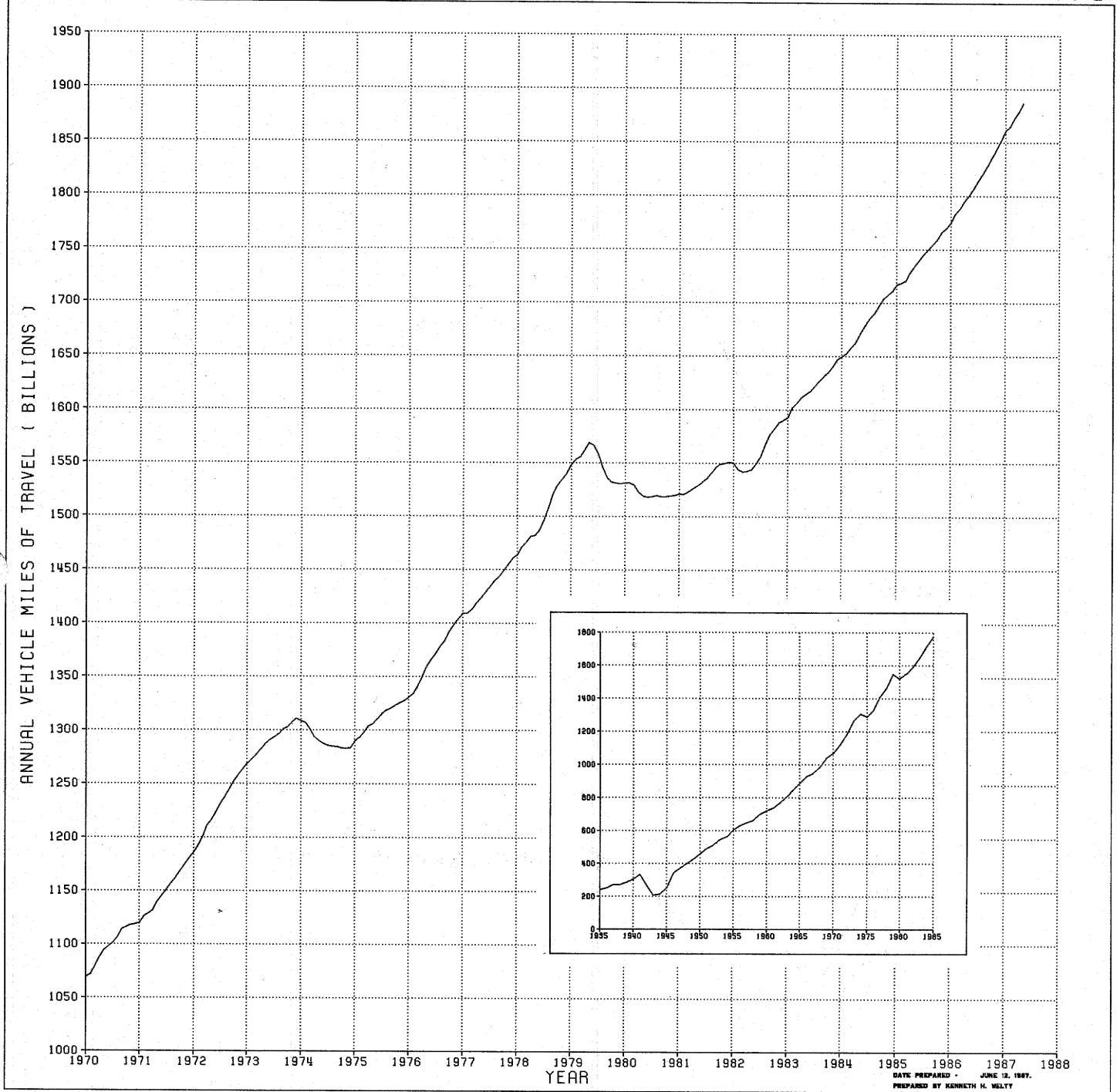
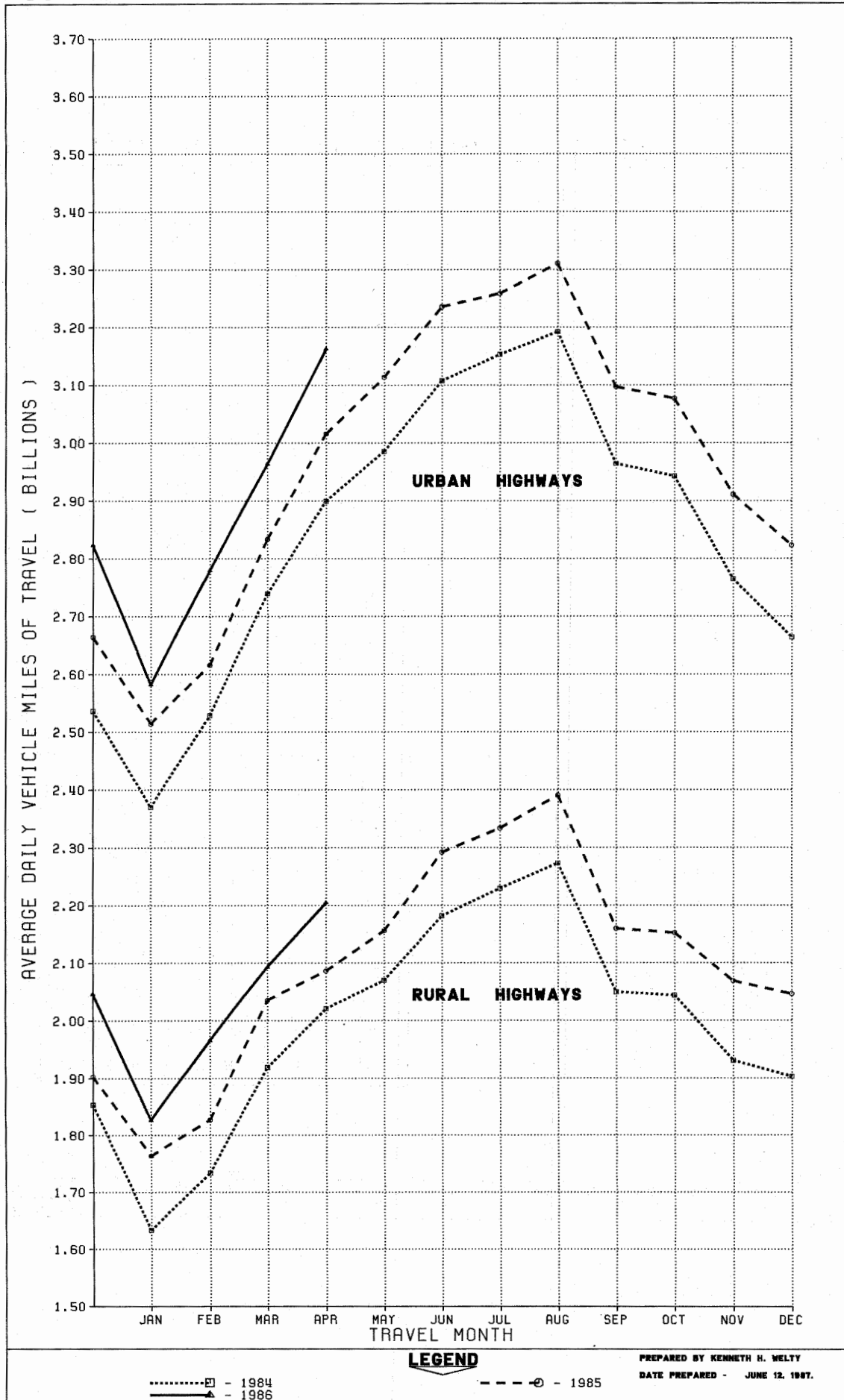


FIGURE 2 - TRAVEL ON U S HIGHWAYS BY MONTH



LEGEND

.....□ - 1984  
 ————▲ - 1986

- - - - ○ - 1985

PREPARED BY KENNETH H. WELTY  
 DATE PREPARED - JUNE 12, 1987.

TABLE 1.

ESTIMATED INDIVIDUAL MONTHLY MOTOR VEHICLE TRAVEL IN THE UNITED STATES \*\*\*

SYSTEM	MONTH											
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1986 INDIVIDUAL MONTHLY VEHICLE-MILES OF TRAVEL IN BILLIONS*												
RURAL ARTERIAL	31.1	29.1	37.3	37.4	40.6	42.4	45.6	46.7	39.2	40.0	37.1	37.7
OTHER RURAL	23.5	22.0	25.8	25.2	26.3	26.4	26.8	27.4	25.6	26.7	25.0	25.7
URBAN	77.9	73.3	87.9	90.5	96.5	97.1	101.0	102.6	92.9	95.4	87.4	87.5
ALL SYSTEMS	132.6	124.4	151.0	153.1	163.4	165.8	173.4	176.7	157.7	162.1	149.4	151.0
1987 INDIVIDUAL MONTHLY VEHICLE-MILES OF TRAVEL IN BILLIONS**												
RURAL ARTERIAL	32.2	31.6	38.3	39.9								
OTHER RURAL	24.1	23.5	26.6	26.3								
URBAN	80.1	77.8	91.9	94.9								
ALL SYSTEMS	136.4	132.9	156.8	161.0								
PERCENT CHANGE IN INDIVIDUAL MONTHLY TRAVEL 1987 VS. 1986												
RURAL ARTERIAL	3.5	8.4	2.8	6.6								
OTHER RURAL	2.3	6.6	2.9	4.3								
URBAN	2.7	6.3	4.6	4.9								
ALL SYSTEMS	2.8	6.8	3.9	5.2								

TABLE 2.

ESTIMATED CUMULATIVE MONTHLY MOTOR VEHICLE TRAVEL IN THE UNITED STATES \*\*\*

SYSTEM	MONTH											
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1986 CUMULATIVE MONTHLY VEHICLE-MILES OF TRAVEL IN BILLIONS*												
RURAL ARTERIAL	31.1	60.3	97.6	134.9	175.5	217.9	263.5	310.2	349.4	389.4	426.5	464.2
OTHER RURAL	23.5	45.6	71.4	96.6	122.9	149.3	176.0	203.4	229.0	255.7	280.7	306.4
URBAN	77.9	151.2	239.1	329.5	426.1	523.1	624.2	726.8	819.7	915.1	1002.5	1090.0
ALL SYSTEMS	132.6	257.0	408.0	561.1	724.4	890.3	1063.6	1240.4	1398.1	1560.2	1709.6	1860.6
1987 CUMULATIVE MONTHLY VEHICLE-MILES OF TRAVEL IN BILLIONS**												
RURAL ARTERIAL	32.2	63.8	102.1	142.0								
OTHER RURAL	24.1	47.6	74.1	100.4								
URBAN	80.1	157.9	249.8	344.7								
ALL SYSTEMS	136.4	269.3	426.0	587.1								
PERCENT CHANGE IN CUMULATIVE MONTHLY TRAVEL 1987 VS. 1986												
RURAL ARTERIAL	3.5	5.9	4.7	5.2								
OTHER RURAL	2.3	4.4	3.8	4.0								
URBAN	2.7	4.4	4.5	4.6								
ALL SYSTEMS	2.8	4.8	4.4	4.6								

\* THESE ARE PRELIMINARY ESTIMATES WHICH WILL BE REVISED TO AGREE WITH FINAL ESTIMATES OF 1987 ANNUAL TRAVEL PROVIDED BY STATE HIGHWAY DEPARTMENTS.  
\*\* TO BE REVISED BASED ON 1987 FINAL TRAVEL ESTIMATES.  
\*\*\* SYSTEM ENTRIES MAY NOT ADD TO TOTAL "ALL SYSTEMS" DUE TO ROUNDING.  
FOR FURTHER INFORMATION CONTACT KENNETH WELTY, OFFICE OF HIGHWAY INFORMATION MANAGEMENT, FEDERAL HIGHWAY ADMINISTRATION, PHONE 202-366-5055.

TABLE 3.-SUMMARY BY ROAD CLASS AND BY GEOGRAPHIC AREA

	PRELIMINARY DATA FOR APRIL			REVISED DATA FOR MARCH		
	VEHICLE-MILES (MILLIONS)		PERCENTAGE CHANGE	VEHICLE-MILES (MILLIONS)		PERCENTAGE CHANGE
	1987	1986		1987	1986	
CLASS OF ROAD, ALL STATES:						
RURAL ARTERIAL ROADS.....	39,863	37,379	6.6	38,327	37,293	2.8
OTHER RURAL ROADS.....	26,286	25,213	4.3	26,563	25,804	2.9
ALL RURAL ROADS.....	66,149	62,592	5.7	64,890	63,097	2.8
CITY STREETS.....	94,890	90,480	4.9	91,884	87,858	4.6
ALL ROADS AND STREETS.....	161,039	153,073	5.2	156,774	150,955	3.9
48 STATES (RURAL ARTERIAL):						
EASTERN REGION.....	13,984	13,159	6.3	13,280	12,834	3.5
CENTRAL REGION.....	18,572	17,438	6.5	17,996	17,656	1.9
WESTERN REGION.....	7,124	6,611	7.7	6,868	6,631	3.6
TOTAL.....	39,680	37,208	6.6	38,144	37,121	2.8

TABLE 4.-CHANGES ON RURAL ARTERIAL ROADS BY STATES

DIVISION AND STATE	APRIL (PRELIMINARY)		MARCH (REVISED)		DIVISION AND STATE	APRIL (PRELIMINARY)		MARCH (REVISED)	
	NUMBER OF STATIONS	PER-CENTAGE CHANGE	NUMBER OF STATIONS	PER-CENTAGE CHANGE		NUMBER OF STATIONS	PER-CENTAGE CHANGE	NUMBER OF STATIONS	PER-CENTAGE CHANGE
NEW ENGLAND:					EAST SOUTH CENTRAL:				
CONNECTICUT.....	-	-	10	7.5	ALABAMA.....	47	9.0	47	5.3
MAINE.....	-	-	19	8.3	KENTUCKY.....	27	5.6	28	0.4
MASSACHUSETTS.....	8	4.1	5	- 0.1	MISSISSIPPI.....	32	5.6	31	2.7
NEW HAMPSHIRE.....	-	-	49	8.3	TENNESSEE.....	8	3.7	12	3.1
RHODE ISLAND.....	-	-	1	10.9	WEST NORTH CENTRAL:				
VERMONT.....	28	11.9	28	10.3	IOWA.....	62	4.8	63	- 0.9
MIDDLE ATLANTIC:					KANSAS.....	60	4.8	60	- 3.3
NEW JERSEY.....	11	4.0	11	0.7	MINNESOTA.....	28	10.2	28	5.6
NEW YORK.....	12	8.6	17	8.8	MISSOURI.....	39	6.9	50	4.6
PENNSYLVANIA.....	-	-	26	3.4	NEBRASKA.....	22	10.0	21	- 2.1
SOUTH ATLANTIC (NORTH):					NORTH DAKOTA.....	29	13.6	31	- 2.1
DELAWARE.....	19	4.3	18	5.8	SOUTH DAKOTA.....	26	11.8	26	- 3.6
MARYLAND.....	-	-	27	5.2	WEST SOUTH CENTRAL:				
VIRGINIA.....	-	4.1	-	5.6	ARKANSAS.....	15	5.2	15	0.2
WEST VIRGINIA.....	10	0.6	12	3.0	LOUISIANA.....	-	-	-	-
SOUTH ATLANTIC (SOUTH):					OKLAHOMA.....	32	3.2	33	- 3.5
FLORIDA.....	-	-	40	3.2	TEXAS.....	-	-	84	0.4
GEORGIA.....	24	9.0	22	2.2	MOUNTAIN:				
NORTH CAROLINA.....	19	2.4	22	1.9	ARIZONA.....	-	-	-	-
SOUTH CAROLINA.....	-	-	6	- 3.0	COLORADO.....	32	7.8	29	- 3.6
EAST NORTH CENTRAL:					IDAHO.....	49	7.6	54	4.8
ILLINOIS.....	30	7.5	32	4.9	MONTANA.....	-	-	31	- 1.7
INDIANA.....	-	-	-	-	NEVADA.....	13	10.2	13	1.6
MICHIGAN.....	-	-	-	-	NEW MEXICO.....	-	-	42	5.6
OHIO.....	12	7.6	15	2.8	UTAH.....	46	8.0	43	- 0.9
WISCONSIN.....	41	8.2	40	4.5	WYOMING.....	28	5.6	31	- 9.7
ALASKA.....	-	-	-	-	PACIFIC:				
HAWAII.....	3	6.8	2	6.7	CALIFORNIA.....	-	7.5	-	7.7
					OREGON.....	-	-	72	2.6
					WASHINGTON.....	42	8.0	24	6.2

NOTE: 1-WHERE THE NUMBER OF STATIONS IS SHOWN AS A DASH AND A VALUE FOR PERCENTAGE CHANGE IS INDICATED, THE LATTER VALUE IS BASED ON A STATEWIDE ESTIMATE PROVIDED BY THE HIGHWAY AGENCY AS DETERMINED FROM EXTENSIVE TRAFFIC SAMPLING SURVEYS

2-WHERE THE NUMBER OF STATIONS AND THE PERCENTAGE CHANGE ARE SHOWN AS DASHES, INSUFFICIENT INFORMATION WAS AVAILABLE TO DETERMINE AN ESTIMATE.



1. The first part of the document  
 discusses the general principles  
 of the system and its  
 objectives. It also outlines  
 the scope of the study and  
 the methods used to collect  
 data. The second part of the  
 document describes the  
 results of the study and  
 discusses the implications  
 of the findings. The third  
 part of the document  
 concludes the study and  
 provides recommendations  
 for future research.

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