JOINT HIGHWAY
RESEARCH PROJECT

JHRP-79-4

TRAFFIC SPEED REPORT NO. 108

R. P. Guenther

G. K. Stafford

TRAFFIC SPEED REPORT NO. 108

TO: Harold L. Michael, Director
Joint Highway Research Project

FROM: Richard P. Guenther
Graduate Instructor in Research
Joint Highway Research Project

July 11, 1979

File: 8-3-3

Project: C-36-10C

The attached Progress Report No. 108 on Traffic Speeds is the report of the January - March 1979 quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane, and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. R. P. Guenther, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data collection was directed by Mr. G. K. Stafford of our staff.

The results indicate that the average speed for all vehicles is relatively unchanged from the previous quarterly report. The overall average speed for passenger cars had decreased by only 0.5 mph and the average speed for trucks has shown a decrease of 0.2 mph.

Overall trends for the past year indicate relatively unchanged speeds. The exception was the July-September quarter which indicated overall speeds approximately 1 mph lower than the other three quarters.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment, and acceptance as partial fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,

Richard P. Guenther
Graduate Instructor in Research

rpg:kes

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Interim Report
TRAFFIC SPEED REPORT NO. 108

by

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and

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Project No.: C-36-10C

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Purdue University

in cooperation with the

Indiana State Highway Commission

and the

U. S. Department of Transportation
Federal Highway Administration

The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the Federal Highway Administration.

Purdue University
West Lafayette, Indiana
July 11, 1979

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16. Abstract This report is another in the continuing study of speeds of vehicles on Indiana highways. Observation of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the January - March 1979 quarter. Analysis of the speeds showed the overall average speed for all vehicles was 58.0 mph. The overall average speed for passenger cars and all trucks was 58.3 mph and 57.4 mph respectively. These overall average speeds were 0.5 mph less for passenger cars and 0.2 mph less for trucks than speeds found in the October - December 1978 study (Speed Report No. 107).			
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TRAFFIC SPEED REPORT NO. 108

This report is an analysis of spot speed observations made between January and March 1979. Due to inclement weather in March, a few observations were made in early April. All observations were of free flowing vehicles on level, tangent sections of rural and urban highways. All observations were made during daylight under favorable weather conditions.

The speed monitoring stations for each highway classification were divided into two groups. The first group is identified as "control stations" and studied from the same locations on selected Federal and State highways as used in previous studies. Seven "primary control stations" are used in each quarterly study. The second group of seven stations is selected at random for each quarterly study. A total of fourteen speed monitoring stations were used for this reported study.

Stations were classified as rural two-lane, four-lane, or interstate, or urban interstate highways. A representative sample of spot speeds was obtained at each station in each classification. The site locations follow and are also shown in Figure A.

Rural Interstate Highways

*RI-21 (I-69)	1.6 miles south of S.R. 18
*RI-6 (I-65)	2.3 miles south of S.R. 56, 50 yards south of 27 mile marker
RI-5 (I-64)	5.35 miles east of S.R. 135
RI-20 (I-69)	2.4 miles north of S.R. 28

Four-Lane Highways

*4L-32 (U.S. 30)	2.9 miles west of Wanatak City limit sign
*4L-17 (U.S. 52)	150' east of C.R. 475 West
4L-7 (U.S. 40)	11.9 miles east of U.S. 231
4L-26 (S.R. 9)	2.55 miles south of S.R. 128

Two-Lane Highways

*2L-18 (U.S. 35)	2.5 miles east of I-69
*2L-54 (U.S. 231)	1.1 miles south of S.R. 234
2L-30 (U.S. 52)	1.1 miles east of New Palestine
2L-23 (S.R. 28)	1.8 miles west of S.R. 341

This report is an analysis of your school's performance between January and March 2011. One of the primary goals of the Charter School is to ensure that all students are achieving at or above the state standards. The data presented in this report shows that your school is making significant progress in this area. The following table shows the results of the state assessment for the 2010-2011 school year.

The data presented in this report shows that your school is making significant progress in this area. The following table shows the results of the state assessment for the 2010-2011 school year. The data is presented in a table format, with the first column showing the subject area, the second column showing the number of students who achieved at or above the state standards, and the third column showing the percentage of students who achieved at or above the state standards. The data is presented for the 2010-2011 school year.

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Subject Area	Number of Students	Percentage of Students
Mathematics	12	100%
Reading	12	100%
Science	12	100%
History	12	100%
Art	12	100%
Music	12	100%
Physical Education	12	100%
Foreign Language	12	100%
Health	12	100%
Environmental Studies	12	100%
Technology	12	100%
Character Education	12	100%
Life Skills	12	100%
Career Development	12	100%
Community Service	12	100%
Parent Involvement	12	100%
Teacher Effectiveness	12	100%
Student Attendance	12	100%
Student Behavior	12	100%
Student Achievement	12	100%
Student Satisfaction	12	100%
Parent Satisfaction	12	100%
Teacher Satisfaction	12	100%
Community Satisfaction	12	100%
Overall Satisfaction	12	100%

Urban Interstate Highways

*UI-6 (I-65)	Just east of White River
UI-7 (I-70)	0.6 miles east of I-465 west leg

*Primary Control Stations.

The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5,000 lbs. gross weight) or Heavy (equal to or more than 5,000 lbs. gross weight) Trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The maximum speed limit is 55 mph at all speed monitoring stations.

Equipment and Field Procedure

The observations for this study were obtained by use of a Radar Speed Meter. The meter was located in a van type vehicle parked as a disabled vehicle on the right shoulder or as a normally parked vehicle in an access driveway to the road. The van was equipped with one-way vision windows on the side facing traffic and the rear window was shuttered so that approaching vehicles could not observe the speed measurement process. The observers were also equipped with CB radio equipment so as to monitor possible radio notification of the speed measurement and of police vehicles in the area. When any such incidents occurred speeds were not taken for at least a 15 minute period following. Such periods rarely occurred on other than interstate roads where they occurred frequently.

The speed was measured at a distance from the van so that the angle of measurement with the highway center line was always less than 10° . No corrections of speeds were necessary at these small angles. At the beginning of the study the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

RESULTS OF ANALYSIS

The data collected were analyzed and are summed in Tables 1 to 14 in the Appendix. Tables 15, 16, 17, and 18 summarize the data for rural interstate, four-lane, two-lane, and urban interstate highways, respectively. Table 19 is the summary for all highways. Tables 20 through 34 are summaries in FHWA format which that organization requires.

The overall speed trends for this study are as follows:

<u>All Vehicles</u>	<u>Jan.-Mar. 1979</u>	<u>Oct.-Dec. 1978</u>	<u>July-Sept. 1978</u>	<u>April-June 1978</u>
Average	58.0	58.3	57.2	58.1
85 Percentile	63.1	63.0	61.9	62.9
Percent exceeding 55 mph	69.2	72.3	64.7	70.0
Percent exceeding 60 mph	31.3	33.0	25.1	31.0
Percent exceeding 65 mph	8.5	8.5	6.0	8.0

The average speed for each classification of vehicles on each type of highway for this study was as follows:

	<u>Interstate</u>		<u>Other Four Lane Rural</u>	<u>Two Lane Rural</u>
<u>Passenger Cars:</u>	<u>Urban</u>	<u>Rural</u>		
Indiana	58.8	60.4	56.8	57.3
Non-Indiana	59.2	60.4	58.1	58.8
All Passenger Cars	58.8	60.4	56.9	57.4
85 Percentile (all)	62.6	64.5	62.1	62.8
<u>Trucks:</u>				
Less than 5,000 lbs.	57.9	59.1	56.4	56.8
5,000 lbs. or more	56.9	60.4	56.2	55.2
<u>All Vehicles:</u>				
Average	58.2	60.2	56.7	56.9
85 Percentile	62.2	64.6	62.0	62.3

The percent of vehicles exceeding the speed limit (55 mph) for each classification of vehicle and each type of highway was as follows:

	<u>Interstate</u>		<u>Other</u> <u>Four Lane</u>	<u>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	79.0	87.0	60.5	61.8
Non-Indiana	78.3	83.9	75.0	75.6
All Passenger Cars	78.9	86.1	61.9	62.8
<u>Trucks:</u>				
Less than 5,000 lbs.	72.5	78.4	60.8	57.5
5,000 lbs. or more	68.2	86.1	58.0	47.7
<u>All Vehicles:</u>	75.3	85.0	61.0	58.9

The percent of vehicles traveling more than 5 mph above the speed limit (exceeding 60 mph) for each case was as follows:

	<u>Interstate</u>		<u>Other</u> <u>Four Lane</u>	<u>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	30.0	46.2	23.8	26.3
Non-Indiana	28.3	47.3	27.9	37.2
All Passenger Cars	29.8	46.6	24.2	27.1
<u>Trucks:</u>				
Less than 4,000 lbs.	28.1	40.0	23.1	26.8
5,000 lbs. or more	22.8	49.8	22.3	19.5
<u>All Vehicles:</u>	27.9	46.4	23.7	25.6

The percent of vehicles traveling more than 10 mph above the speed limit (exceeding 65 mph) for each case was as follows:

	<u>Interstate</u>		<u>Other</u> <u>Four Lane</u>	<u>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	6.0	13.0	6.5	9.4
Non-Indiana	10.0	13.9	8.7	14.1
All Passenger Cars	6.5	13.3	6.7	9.7
<u>Trucks:</u>				
Less than 5,000 lbs.	3.6	9.2	5.0	7.1
5,000 lbs. or more	3.7	14.1	4.3	4.3
<u>All Vehicles:</u>	5.3	12.9	5.9	8.2

Summary and Conclusions

Overall average speed for all vehicles and passenger cars in the January - March 1979 study were found to be 58.0 and 58.3 mph, respectively. These overall average speeds for all vehicles and passenger cars are respectively 0.3 and 0.5 mph below the results of the October - December 1978 study. The overall average speeds for all trucks and heavy trucks in this January - March 1979 study were found to be 57.4 and 57.6 mph respectively. These figures show a 0.3 and 0.2 mph decrease over the previous quarter. The conclusion can be made that these changes are relatively insignificant.

Table A presents a comparison of the overall speed results with that of the previous three studies. It may be noted that the overall speeds are very stable for the January - March 1979, the October - December 1978, and the April - June 1978 studies. However, the July - September 1978 indicates that the speeds for that quarter were about 1 mph lower for all classes of vehicles.

A comparison of January - March 1979 speed data with that for other recent periods for each type of highway is shown in Tables B, C, D, and E.

These tables show that the changes in speeds from the previous quarter are about the same for interstate highways as for all highways. One exception is that heavy trucks showed an increase in speed of 0.5 mph on rural interstate.

However, Table D indicates that speeds have dropped on other four lane highways for all vehicle classifications. Passenger cars showed a drop in speed of 1.1 mph from the October - December 1978 study. Heavy trucks were down in speed by 2.1 mph over the same time period.

Table E indicates that speeds over the last two studies are rather stable on two lane highways. The largest change is a drop of 0.5 mph for out-of-state passenger cars.

Table A
Comparison of the Overall Speed Results

	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978
<u>Average:</u>				
All Passenger Cars	58.3	58.8	57.6	58.4
Heavy Trucks	57.6	57.8	57.3	57.9
All Trucks	57.4	57.7	56.8	57.6
<u>85 Percentile:</u>				
All Passenger Cars	63.2	63.2	62.1	63.1
Heavy Trucks	63.2	62.9	62.2	62.7
All Trucks	63.0	62.7	61.7	62.7
<u>15 Percentile:</u>				
Heavy Trucks	51.5	51.6	51.6	52.1

Table B
Average Speeds on Interstate Highways (Urban)

	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978
<u>Passenger Cars:</u>				
Indiana	58.8	59.3	58.0	59.2
Non-Indiana	59.2	59.7	57.9	57.9
All Passenger Cars	58.8	59.3	58.0	59.1
85 Percentile (all)	62.6	62.9	62.1	62.9
<u>Trucks:</u>				
Less than 5,000 lbs.	57.9	58.7	56.5	58.4
5,000 lbs. or more	56.9	57.8	56.8	57.7

Table C
Average Speeds on Interstate Highways (Rural)

	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978
<u>Passenger Cars:</u>				
Indiana	60.4	60.8	58.5	60.5
Non-Indiana	60.4	60.6	60.1	60.5
All Passenger Cars	60.4	60.7	59.2	60.5
85 Percentile (all)	64.5	64.7	63.1	64.9
<u>Trucks:</u>				
Less than 5,000 lbs.	59.1	59.4	58.2	59.3
5,000 lbs. or more	60.4	59.9	59.4	60.0

Table D
Average Speeds on Other Four-Lane Highways

	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978
<u>Passenger Cars:</u>				
Indiana	56.8	57.8	56.9	57.5
Non-Indiana	58.1	59.5	57.5	58.2
All Passenger Cars	56.9	58.0	56.9	57.6
85 Percentile (all)	62.1	62.6	61.6	62.2
<u>Trucks:</u>				
Less than 5,000 lbs.	56.4	56.9	55.4	57.2
5,000 lbs. or more	56.2	58.3	56.2	57.9

Table E
Average Speeds on Two-Lane Highways

	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978
<u>Passenger Cars:</u>				
Indiana	57.3	57.3	56.4	56.5
Non-Indiana	58.8	58.3	56.2	57.5
All Passenger Cars	57.4	57.4	56.4	56.8
85 Percentile (all)	62.8	62.0	61.0	61.6
<u>Trucks:</u>				
Less than 5,000 lbs.	56.8	56.6	55.0	55.3
5,000 lbs. or more	55.3	54.9	55.5	54.9

TABLE 1. SUMMARY DATA

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APPENDIX

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TABLE 1 SPEED DATA

STATION RI-6 HIGHWAY I-65 LOCATION 7.5 miles north of S.R. 160

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER partly sunny

THIS OBSERVATION DATE 4-5-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)

TIME 1:10-2:15 PM NB
11:48 AM - 12:53 PM SBDATE 11-9-78
TIME 9:18-10:32 AM NB
10:48-11:43 AM SB

	PASSENGER CARS				TRUCKS			
	ALL	INDIANA	NON-INDIANA	ALL	ALL	INDIANA	NON-INDIANA	ALL
	PRES-	ENI	LAST	PRES-	PRES-	ENI	LAST	PRES-
OBSERVATION	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	226	300	192	214	34	86	216	147
AVE. SPEED (MPH)	61.20	60.09	61.20	60.70	61.00	60.66	60.80	60.85
STANDARD DEVIATION	4.234	4.223	4.848	4.410	4.093	3.937	5.253	4.816
24 MPH	0	0	0	0	0	0	0	0
20 MPH	0	0	0	0	0	0	0	0
16 MPH	0	0	0	0	0	0	0	0
12 MPH	0	0	0	0	0	0	0	0
8 MPH	0	0	0	0	0	0	0	0
4 MPH	0	0	0	0	0	0	0	0
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN								
49 MPH	2.8	6.7	6.3	6.1	2.9	8.1	11.1	8.2
54 MPH	36.3	38.7	35.9	39.3	38.2	37.2	38.9	40.1
59 MPH	79.6	83.3	79.7	82.7	79.4	84.9	78.2	78.2
64 MPH	94.7	97.3	94.3	96.7	92.1	98.8	95.4	95.9
69 MPH	99.1	99.7	99.0	99.5	100.0	100.0	99.1	100.0
74 MPH	99.6	100.0	99.5	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION								
NUMBER OF VEHICLES	92	156	79	113	13	43	127	77
AVERAGE SPEED	61.70	61.03	61.80	61.04	60.80	61.02	62.00	60.60
DIRECTION								
NUMBER OF VEHICLES	134	144	113	101	21	43	89	70
AVERAGE SPEED	60.90	60.32	60.80	60.33	61.20	60.30	59.10	61.13

TABLE 2 SPEED DATA

STATION BL-21 HIGHWAY I-69 LOCATION 1.6 miles south of S.R. 18

NO. OF LANES 4 TYPE OF SURFACE blacktop WEATHER clear

THIS OBSERVATION

DATE 3-14-79

TIME 11:15 AM - 12:24 PM NB

12:42 - 1:48 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)

DATE 10-2-78

TIME 2:21 - 3:52 PM NB

4:05 - 5:15 PM SB

	OBSERVATION		PASSENGER CARS		NON-INDIANA		TRUCKS	
	LAST	EMI	LAST	EMI	LAST	EMI	LAST	EMI
NUMBER OF VEHICLES	343	238	267	139	76	99	126	189
AVERAGE SPEED (MPH)	61.20	59.42	61.10	59.74	61.20	58.96	60.50	58.89
STANDARD DEVIATION	4.857	4.799	4.797	5.022	5.064	4.451	4.905	4.993
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN								
24 MPH	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	0	0
54 MPH	7.0	13.4	7.1	13.7	6.0	13.1	10.8	16.9
59 MPH	35.9	42.2	37.5	46.0	30.3	53.5	45.5	52.4
64 MPH	79.6	88.7	80.5	85.6	76.3	92.9	77.3	87.3
69 MPH	95.3	97.1	95.5	95.7	94.7	99.2	96.6	100.0
74 MPH	98.5	100.0	98.0	100.0	97.4	100.0	99.4	100.0
79 MPH	99.4	100.0	99.3	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	NB							
NUMBER OF VEHICLES	170	112	132	62	38	50	86	101
AVERAGE SPEED	61.80	60.38	61.70	60.98	62.20	59.64	61.30	60.25
DIRECTION	SB							
NUMBER OF VEHICLES	173	126	135	77	38	49	90	88
AVERAGE SPEED	60.60	58.56	60.40	58.74	61.30	58.27	59.60	57.33

TABLE 3 SPEED DATA

STATION BI-5 HIGHWAY I-64 LOCATION 5.35 miles east of S.R. 135

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER cloudy

THIS OBSERVATION DATE 4-9-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

TIME 11:10 AM - 12:10 PM EB
12:25 PM - 1:45 PM WB

	PASSENGER CARS				TRUCKS			
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	5000 LBS. - 25000 LBS.	>25000 LBS.	PRES.
OBSERVATION	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	0	253	0	183	0	178	0	39
AVERAGE SPEED (MPH)	0	60.32	0	59.98	0	60.16	0	59.55
STANDARD DEVIATION	0	5.338	0	5.314	0	5.840	0	5.952
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN								
24 MPH	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0
39 MPH	0	4	0	5	0	0	0	0
44 MPH	0	4	0	5	0	0	0	0
49 MPH	0	1.2	0	1.1	0	4.5	0	5.6
54 MPH	0	9.9	0	11.5	0	15.7	0	16.9
59 MPH	0	47.0	0	50.8	0	44.4	0	48.3
64 MPH	0	83.8	0	85.8	0	75.8	0	83.1
69 MPH	0	93.3	0	94.0	0	94.4	0	93.3
74 MPH	0	98.4	0	98.4	0	99.4	0	98.9
79 MPH	0	99.6	0	99.6	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION	EB	WB	EB	WB	EB	WB	EB	WB
NUMBER OF VEHICLES	0	114	0	85	0	105	0	49
AVERAGE SPEED	0	59.74	0	59.75	0	59.90	0	59.71
DIRECTION	EB	WB	EB	WB	EB	WB	EB	WB
NUMBER OF VEHICLES	0	132	0	98	0	73	0	40
AVERAGE SPEED	0	60.81	0	60.18	0	60.55	0	59.35

TABLE 4 SPEED DATA

STATION RI-20 HIGHWAY I-69 LOCATION 2.4 miles north of SR 28

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER sunny

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 3-21-79
TIME 2:03 - 3:00 PM NB
3:19 - 4:04 PM SB

OBSERVATION	PASSENGER CARS		NON-INDIANA		ALL		TRUCKS	
	PRES-	ENI	PRES-	ENI	PRES-	ENI	PRES-	ENI
NUMBER OF VEHICLES	LAST	220	LAST	208	LAST	154	LAST	41
AVERAGE SPEED	60.95	60.88	61.18	60.10	60.10	58.61	58.61	60.61
STANDARD DEVIATION	5.333	5.158	5.922	5.005	5.005	5.890	5.890	6.551
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN								
24 MPH	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0
49 MPH	1.1	1.6	1.6	2.6	2.6	7.3	7.3	1.1
54 MPH	9.3	8.7	11.3	11.3	11.3	22.0	22.0	1.1
59 MPH	41.5	41.3	41.9	44.2	44.2	61.0	61.0	1.1
64 MPH	78.1	80.3	71.0	80.5	80.5	82.0	82.0	1.1
69 MPH	94.6	94.7	93.5	96.8	96.8	92.7	92.7	1.1
74 MPH	97.4	98.1	95.2	99.4	99.4	100.0	100.0	1.1
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1.1
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1.1
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1.1
DIRECTION NB								
NUMBER OF VEHICLES	0	129	0	106	0	82	0	48
AVERAGE SPEED	59.55	59.81	58.35	58.23	58.23	56.55	56.55	60.10
DIRECTION SB								
NUMBER OF VEHICLES	0	141	0	103	0	72	0	51
AVERAGE SPEED	62.23	61.99	62.85	61.10	61.10	60.57	60.57	61.51

TABLE 5 SPEED DATA

STATION 44-17 HIGHWAY U.S. 52 LOCATION Tippecanoe Co. - 150' east of CR 475 W

NO. OF LANES 4 TYPE OF SURFACE blacktop WEATHER clear

THIS OBSERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)

DATE 3-12-79

DATE 10-1-78

TIME 12:27 - 1:56 PM EB

TIME 9:30 - 11:18 AM EB

9:45 - 11:39 AM WB

12:40 - 2:23 PM WB

OBSERVATION	PASSENGER CARS			TRUCKS		
	ALL	INDIANA	NON-INDIANA	ALL	INDIANA	NON-INDIANA
	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-
NUMBER OF VEHICLES	323	279	309	243	14	159
AVERAGE SPEED (MPH)	57.00	56.51	57.00	56.39	56.50	55.50
STANDARD DEVIATION	5.306	5.636	5.367	5.769	3.818	6.282
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN						
24 MPH	0	0	0	0	0	0
28 MPH	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0
39 MPH	3	2	3	8	0	1
44 MPH	19	26	19	41	0	6
49 MPH	59	27	61	103	0	13
54 MPH	29	29	29	30	28	39
59 MPH	70	71	70	71	71	74
64 MPH	92	95	91	95	100	94
69 MPH	99	98	99	98	100	100
74 MPH	99	100	99	100	100	100
79 MPH	100	100	100	100	100	100
84 MPH	100	100	100	100	100	100
89 MPH	100	100	100	100	100	100
DIRECTION						
NUMBER OF VEHICLES	156	152	151	133	5	82
AVERAGE SPEED	56.90	56.91	57.00	56.90	56.60	55.50
DIRECTION						
NUMBER OF VEHICLES	167	122	158	110	9	77
AVERAGE SPEED	57.00	56.04	57.00	55.76	56.60	55.60

TABLE 6 SPEED DATA

STATION 41-32 HIGHWAY U.S. 30 LOCATION 2.9 miles west of Wanatah City Limit sign
 NO. OF LANES 4 TYPE OF SURFACE blacktop WEATHER sunny, hazy, windy
 THIS OBSERVATION DATE 4-6-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
 DATE 11-10-78
 TIME 12:14-1:25 PM EB
 TIME 10:35-11:45 AM WB
 TIME 11:45 AM - 12:13 PM EB
 TIME 10:42-11:41 AM WB

	PASSENGER CARS			TRUCKS		
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.
OBSERVATION	LAST	ENT	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	252	230	196	189	66	64
AVERAGE SPEED (MPH)	59.00	59.29	58.50	59.21	59.00	57.48
STANDARD DEVIATION	5.034	4.653	5.027	4.663	5.592	6.461
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN						
24 MPH	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0
39 MPH	4	0	5	0	0	0
44 MPH	8	4	10	6	1.5	3.1
49 MPH	24	13	20	17	1.5	4.1
54 MPH	16.7	14.6	18.9	15.0	16.7	26.6
59 MPH	54.8	57.4	59.7	57.2	51.5	68.6
64 MPH	69.3	86.5	91.8	86.7	90.5	85.9
69 MPH	97.6	97.0	98.0	97.2	97.0	96.9
74 MPH	99.6	99.6	99.5	99.4	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB					
NUMBER OF VEHICLES	131	114	100	89	34	30
AVERAGE SPEED	58.80	60.24	58.20	60.46	58.40	50.53
DIRECTION	WB					
NUMBER OF VEHICLES	121	116	96	91	32	34
AVERAGE SPEED	59.20	58.06	58.50	57.99	59.70	54.79

TABLE 7 SPEED DATA

STATION 44-7 HIGHWAY U.S. 40 LOCATION 11.9 miles east of U.S. 231

NO. OF LANES 4 TYPE OF SURFACE blacktop WEATHER cloudy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 3-13-79
 TIME 10:35 AM - 1:32 PM EB
 1:55-4:58 PM WB

OBSERVATION	PASSENGER CARS			TRUCKS		
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.
	PRES-	ENI	LASI	PRES-	ENI	LASI
NUMBER OF VEHICLES	266	254	12	154	122	0
AVE. SPEED (MPH)	27.57	27.56	27.75	26.51	26.73	0
STANDARD DEVIATION	0.272	0.261	0.284	0.252	0.209	0
24 MPH	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0
39 MPH	0	4	0	1.9	2.0	0
44 MPH	0	3.8	0	3.9	3.9	0
49 MPH	0	10.2	0	11.0	8.8	0
54 MPH	0	28.2	0	33.1	36.3	0
59 MPH	0	65.0	0	72.1	68.6	0
64 MPH	0	85.3	0	92.3	92.2	0
69 MPH	0	97.7	0	97.4	97.1	0
74 MPH	0	99.6	0	102.0	100.0	0
79 MPH	0	100.0	0	100.0	100.0	0
84 MPH	0	100.0	0	100.0	100.0	0
89 MPH	0	100.0	0	100.0	100.0	0
DIRECTION	EB					
NUMBER OF VEHICLES	115	106	0	92	56	0
AVERAGE SPEED	29.02	28.99	0	27.44	27.43	0
DIRECTION	WB					
NUMBER OF VEHICLES	151	148	3	64	46	0
AVERAGE SPEED	26.46	26.23	0	25.19	22.87	0

TABLE 8 SPEED DATA

STATION 4L-26 HIGHWAY S.R. 9 LOCATION 2.55 miles south of S.R. 128
 NO. OF LANES 4 TYPE OF SURFACE blacktop WEATHER lt. fog (am), sunny (pm)

THIS OBSERVATION
 DATE 3-21-79
 TIME 12:11-1:08 PM NB
 10:51-11:59 AM SB
 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE
 TIME

OBSERVATION	PASSENGER CARS			TRUCKS		
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.
	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-
NUMBER OF VEHICLES	LAST 311	LAST 302	LAST 6	LAST 131	LAST 80	LAST 51
AVERAGE SPEED (MPH)	54.86	54.93	51.17	54.53	54.86	54.00
STANDARD DEVIATION	6.082	6.066	6.726	5.483	5.865	5.400
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN						
24 MPH	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0
39 MPH	1.0	1.0	0	0	0	0
44 MPH	4.8	4.6	16.7	7.6	7.5	7.8
49 MPH	12.4	14.8	50.0	16.8	17.5	12.7
54 MPH	46.2	46.9	50.0	42.0	40.0	45.1
59 MPH	82.0	81.6	100.0	81.7	80.0	84.3
64 MPH	94.9	94.8	100.0	99.2	98.8	100.0
69 MPH	98.7	98.7	100.0	100.0	100.0	100.0
74 MPH	99.6	99.3	100.0	100.0	100.0	100.0
79 MPH	99.7	99.7	100.0	100.0	100.0	100.0
84 MPH	99.7	99.7	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	NB			SB		
NUMBER OF VEHICLES	155	154	1	66	38	26
AVERAGE SPEED	54.06	54.11	43.00	53.73	53.89	53.50
DIRECTION	SB			NB		
NUMBER OF VEHICLES	156	151	5	67	42	25
AVERAGE SPEED	55.67	55.76	52.80	55.28	55.74	54.52

TABLE 9 SPEED DATA

STATION 2L-18 HIGHWAY U.S. 35 LOCATION 2.5 miles east of I-69

NO. OF LANES 2 TYPE OF SURFACE blacktop WEATHER cloudy

THIS OBSERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)

DATE 4-3-79

DATE 10-2-78

TIME 10:20 AM - 12:40 PM

TIME 10:05 AM - 1:32 PM

OBSERVATION	PASSENGER CARS			TRUCKS		
	ALL	INDIANA	PRESENCE	ALL	INDIANA	PRESENCE
NUMBER OF VEHICLES	342	313	236	241	29	86
AVERAGE SPEED (MPH)	58.00	57.90	57.90	55.10	59.10	57.70
STANDARD DEVIATION	5.608	5.645	5.610	5.658	5.146	5.626
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN						
24 MPH	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0
39 MPH	3	3	0	1	0	0
44 MPH	3	3	0	2	0	0
49 MPH	5	5	0	6	0	0
54 MPH	22	23	4	14	0	0
59 MPH	60	67	25	32	11	0
64 MPH	92	93	64	50	34	0
69 MPH	96	96	89	97	62	0
74 MPH	99	98	96	100	93	0
79 MPH	99	98	99	100	98	0
84 MPH	99	99	100	100	99	0
89 MPH	99	99	100	100	100	0
DIRECTION	EB	WB	EB	WB	EB	WB
NUMBER OF VEHICLES	171	156	123	126	5	48
AVERAGE SPEED	58.40	58.40	57.45	56.20	58.40	57.54
DIRECTION	WB	WB	WB	WB	WB	WB
NUMBER OF VEHICLES	171	157	113	115	89	38
AVERAGE SPEED	57.60	57.40	58.40	53.80	56.97	57.80

TABLE 10 SPEED DATA

STATION 21-54 HIGHWAY U.S. 231 LOCATION 1.1 miles south of S.B. 234

NO. OF LANES 2 TYPE OF SURFACE blacktop WEATHER clear, sunny

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)

DATE 3-16-79

DATE 10-3-78

TIME 10:07 AM - 12:57 PM

TIME 10:09 AM - 1:00 PM

	PASSENGER CARS				TRUCKS			
	INDIANA		NON-INDIANA		<5000 LBS.		>5000 LBS.	
	ALL	PRES-	ALL	PRES-	ALL	PRES-	ALL	PRES-
OBSERVATION	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	217	251	204	211	13	40	218	181
AVE. SPEED (MPH)	57.40	57.75	57.30	57.37	58.60	59.70	56.67	57.90
STANDARD DEVIATION	5.653	5.638	5.614	5.355	6.345	7.707	6.407	6.193
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN								
24 MPH	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0
39 MPH	5	0	3	0	0	0	0	0
44 MPH	29	4	14	0	0	2.5	2.8	0
49 MPH	74	64	74	62	72	72	10.6	11.6
54 MPH	28.6	28.3	28.9	29.9	23.1	20.0	30.7	37.6
59 MPH	68.2	64.5	60.1	65.4	53.8	63.0	68.3	66.3
64 MPH	90.8	88.4	91.2	89.6	84.6	83.5	82.7	82.2
69 MPH	97.7	97.2	97.3	97.6	100.0	95.0	97.7	97.8
74 MPH	100.0	99.2	100.0	99.5	100.0	97.5	99.5	100.0
79 MPH	100.0	99.6	100.0	100.0	100.0	97.5	99.5	100.0
84 MPH	100.0	99.6	100.0	100.0	100.0	97.5	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	NB				SB			
NUMBER OF VEHICLES	106	122	99	102	7	20	109	99
AVERAGE SPEED	57.09	57.64	56.70	56.84	61.40	61.70	57.20	57.21
DIRECTION	SB				NB			
NUMBER OF VEHICLES	111	129	105	109	6	20	109	82
AVERAGE SPEED	57.70	57.84	57.90	57.87	55.30	57.70	56.20	56.02

TABLE 11. SPEED DATA

STATION 26-30 HIGHWAY U.S. 52 LOCATION 1.1 miles east of New Palestine
 NO. OF LANES 2 TYPE OF SURFACE blacktop WEATHER clear

THIS OBSERVATION
 DATE 3-15-79
 TIME 11:20 AM - 1:55 PM
 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

	PASSENGER CARS				TRUCKS			
	INDIANA		NON-INDIANA		<5000 LBS		>5000 LBS	
	ALL	PRES-	ALL	PRES-	ALL	PRES-	ALL	PRES-
OBSERVATION	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	291	284	0	146	0	90	0	50
AVE. SPEED (MPH)	52.33	55.44	0	51.00	0	54.33	0	51.20
STANDARD DEVIATION	6.679	6.639	0	7.416	0	6.702	0	6.942
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN								
24 MPH	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0
39 MPH	0	1.4	0	1.4	0	2.2	0	2.4
44 MPH	0	4.6	0	4.6	0	6.7	0	6.7
49 MPH	0	15.5	0	14.3	0	17.8	0	17.8
54 MPH	0	44.7	0	42.9	0	52.2	0	52.2
59 MPH	0	78.0	0	85.7	0	82.2	0	82.2
64 MPH	0	91.4	0	85.7	0	94.4	0	94.4
69 MPH	0	97.9	0	101.0	0	97.9	0	101.0
74 MPH	0	99.3	0	100.0	0	100.0	0	100.0
79 MPH	0	99.3	0	100.0	0	100.0	0	100.0
84 MPH	0	99.7	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION	EB							
NUMBER OF VEHICLES	148	146	0	72	0	47	0	25
AVERAGE SPEED	52.01	55.10	0	53.51	0	53.94	0	52.22
DIRECTION	WB							
NUMBER OF VEHICLES	143	138	0	74	0	43	0	31
AVERAGE SPEED	52.06	55.80	0	53.22	0	54.77	0	51.16

TABLE 12. SPEED DATA

STATION 26-23 HIGHWAY S.R. 28 LOCATION 1.8 miles west of S.R. 341

NO. OF LANES 2 TYPE OF SURFACE blacktop WEATHER clear, sunny

THIS OBSERVATION DATE 3-22-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

TIME 10:00 AM - 1:10 PM

PASSENGER CARS										TRUCKS									
INDIANA					NON-INDIANA					<5000 LBS.					>5000 LBS.				
PRES-					PRES-					PRES-					PRES-				
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TABLE 13. SPEED DATA

STATION 01-6 HIGHWAY I-65 LOCATION Just east of White River
 NO. OF LANES 6 TYPE OF SURFACE concrete WEATHER partly cloudy

THIS OBSERVATION

DATE 3-27-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
 TIME 10:13-11:01 AM EB DATE 11-20-78
 11:14-11:50 AM WB TIME 1:09 - 1:55 PM EB
 2:15 - 2:50 PM WB

OBSERVATION	PASSENGER CARS			TRUCKS		
	ALL	INDIANA	NON-INDIANA	ALL	INDIANA	NON-INDIANA
	PRES-	ENI	LAST	PRES-	ENI	LAST
NUMBER OF VEHICLES	275	271	255	161	149	138
AVE. SPEED (MPH)	59.50	58.33	59.50	58.00	57.15	58.40
STANDARD DEVIATION	4.804	4.515	4.920	4.134	4.559	4.079
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN						
24 MPH	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0
49 MPH	1.1	2.9	1.2	2.5	4.7	2.6
54 MPH	13.5	17.6	13.7	15.2	26.2	15.4
59 MPH	55.3	61.2	56.1	64.6	71.1	62.8
64 MPH	86.2	93.8	85.5	95.7	95.6	95.1
69 MPH	97.5	98.9	97.3	98.8	100.0	98.7
74 MPH	99.3	99.6	99.2	100.0	100.0	100.0
79 MPH	100.0	99.6	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB					
NUMBER OF VEHICLES	142	136	132	75	74	75
AVERAGE SPEED	59.20	58.37	59.20	58.80	57.26	58.10
DIRECTION	WB					
NUMBER OF VEHICLES	133	137	123	86	75	43
AVERAGE SPEED	59.60	58.28	59.90	58.30	57.00	58.70

TABLE 14 SPEED DATA

STATION UI-7 HIGHWAY I-70 LOCATION 0.6 miles east of I-465 (west leg)
 NO. OF LANES 6 TYPE OF SURFACE concrete WEATHER partly cloudy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 3-27-79
 TIME 1:49-2:19 PM EB
 12:33-1:22 PM WB

	PASSENGER CARS				TRUCKS			
	INDIANA		NON-INDIANA		<5000 LBS.		>5000 LBS.	
OBSERVATION	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI
NUMBER OF VEHICLES	0	221	0	178	0	207	0	85
AVERAGE SPEED (MPH)	0	59.43	0	59.51	0	57.55	0	57.28
STANDARD DEVIATION	0	4.687	0	4.697	0	4.971	0	4.526
24 MPH	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0
49 MPH	0	1.3	0	2.2	0	2.2	0	2.2
54 MPH	0	12.7	0	12.9	0	24.2	0	23.5
59 MPH	0	53.8	0	51.1	0	64.7	0	63.5
64 MPH	0	88.2	0	88.8	0	94.7	0	95.3
69 MPH	0	97.7	0	98.3	0	99.0	0	100.0
74 MPH	0	99.1	0	98.9	0	100.0	0	100.0
79 MPH	0	92.5	0	92.4	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION	EB							
NUMBER OF VEHICLES	0	112	0	92	0	103	0	54
AVERAGE SPEED	0	60.03	0	60.01	0	57.65	0	57.98
DIRECTION	WB							
NUMBER OF VEHICLES	0	109	0	72	0	104	0	31
AVERAGE SPEED	0	58.82	0	58.82	0	57.44	0	57.42

TABLE 15 SPEED DATA

Rural

STATION RIAL-- HIGHWAY Interstate LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION DATE March-April 1979

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107) DATE October-December 1978

TIME

OBSERVATION	PASSENGER CARS			TRUCKS		
	ALL	INDIANA	NON-INDIANA	ALL	INDIANA	NON-INDIANA
	PRES-	ENT	LAST	PRES-	ENT	LAST
NUMBER OF VEHICLES	1061	744	0	5200	252	2520
AVE. SPEED (MPH)	60.38	60.40	0	59.94	59.10	60.44
STANDARD DEVIATION	4.961	4.980	0	5.236	5.389	5.082
24 MPH	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0
39 MPH	1	1	0	0	0	0
44 MPH	3	4	0	1	0	0
49 MPH	1.2	1.1	0	3.6	3.2	2.6
54 MPH	9.6	9.5	0	13.5	17.6	11.0
59 MPH	43.7	44.0	0	45.7	53.2	41.1
64 MPH	81.3	83.3	0	80.7	86.8	77.0
69 MPH	95.6	95.3	0	96.9	95.6	97.6
74 MPH	98.9	98.9	0	99.7	99.6	99.6
79 MPH	99.9	99.9	0	100.0	100.0	100.0
84 MPH	100.2	100.0	0	100.0	100.0	100.0
89 MPH	100.0	100.0	0	100.0	100.0	100.0

TABLE 16 SPEED DATA

STATION 4LALL HIGHWAY 4 lane LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION. LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
 DATE March-April 1979 DATE October-December 1978
 TIME TIME

OBSERVATION	PASSENGER CARS				TRUCKS			
	INDIANA		NON-INDIANA		<5000 LBS.		>5000 LBS.	
	ALL	PRES-	ALL	PRES-	ALL	PRES-	ALL	PRES-
NUMBER OF VEHICLES	0	1086	0	982	0	647	0	342
AVERAGE SPEED (MPH)	0	56.88	0	56.73	0	56.29	0	56.38
STANDARD DEVIATION	0	5.989	0	6.032	0	6.231	0	6.192
24 MPH	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0
34 MPH	0	1	0	1	0	0	0	0
39 MPH	0	6	0	6	0	1	0	1
44 MPH	0	33	0	36	0	42	0	44
49 MPH	0	97	0	100	0	130	0	132
54 MPH	0	311	0	322	0	335	0	336
59 MPH	0	701	0	705	0	719	0	722
64 MPH	0	979	0	910	0	927	0	924
69 MPH	0	982	0	982	0	986	0	980
74 MPH	0	996	0	996	0	998	0	997
79 MPH	0	999	0	999	0	1000	0	1000
84 MPH	0	999	0	999	0	1000	0	1000
89 MPH	0	1000	0	1000	0	1000	0	1000

PERCENT
OF
VEHICLES
TRAVELING
AT OR
LESS THAN

TABLE 17 SPEED DATA

STATION 2111 HIGHWAY 2 lane LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION DATE March-April 1979 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
 DATE October-December 1978
 TIME

	PASSENGER CARS						TRUCKS					
	ALL			INDIANA			NON-INDIANA			ALL		
	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST
OBSERVATION	LAST	ENT	LAST	LAST	ENT	LAST	LAST	ENT	LAST	LAST	ENT	LAST
NUMBER OF VEHICLES	0	1057	0	0	979	0	0	78	0	0	339	0
AVE. SPEED (MPH)	0	57.40	0	0	57.29	0	0	58.72	0	0	56.84	0
STANDARD DEVIATION	0	6.332	0	0	6.270	0	0	6.252	0	0	6.436	0
24 MPH	0	1	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	1	0	0	1	0	0	1	0	0	0	0
39 MPH	0	7	0	0	7	0	0	0	0	0	0	0
44 MPH	0	2.2	0	0	2.1	0	0	2.0	0	0	2.7	0
49 MPH	0	7.9	0	0	7.9	0	0	9.0	0	0	10.3	0
54 MPH	0	30.1	0	0	30.5	0	0	24.4	0	0	35.1	0
59 MPH	0	66.5	0	0	67.0	0	0	60.3	0	0	69.0	0
64 MPH	0	88.1	0	0	88.4	0	0	84.6	0	0	90.3	0
69 MPH	0	96.3	0	0	96.2	0	0	97.4	0	0	97.1	0
74 MPH	0	99.3	0	0	99.0	0	0	98.7	0	0	99.1	0
79 MPH	0	99.7	0	0	99.8	0	0	98.7	0	0	99.4	0
84 MPH	0	99.8	0	0	99.9	0	0	98.7	0	0	100.0	0
89 MPH	0	100.0	0	0	100.0	0	0	100.0	0	0	100.0	0

PERCENT
OF
VEHICLES
TRAVELING
AT OR
LESS THAN

TABLE 18. SPEED DATA

Urban

HIGHWAY Interstate

LOCATION see individual stations

NO. OF LANES

TYPE OF SURFACE

WEATHER

THIS OBSERVATION

DATE March-April-1979

TIME

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)

DATE October-December-1978

TIME

	PASSENGER CARS				TRUCKS			
	ALL		INDIANA		ALL		<5000 LBS.	
	PRES-	LAST	ENT	LAST	PRES-	ENT	PRES-	ENT
NUMBER OF VEHICLES	0	424	0	60	0	356	0	167
AVERAGE SPEED (MPH)	0	58.82	0	59.22	0	57.37	0	57.92
STANDARD DEVIATION	0	4.620	0	4.716	0	4.801	0	4.323
24 MPH	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0
49 MPH	0	2.4	0	0	0	5.6	0	3.0
54 MPH	0	15.4	0	13.3	0	25.0	0	22.8
59 MPH	0	27.9	0	61.7	0	67.4	0	64.1
64 MPH	0	91.3	0	88.3	0	95.5	0	95.2
69 MPH	0	98.4	0	95.0	0	99.4	0	100.0
74 MPH	0	99.4	0	100.0	0	100.0	0	100.0
79 MPH	0	99.4	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0

PERCENT
OF
VEHICLES
TRAVELING
AT OR
LESS THAN

TABLE 19 SPEED DATA

Indiana

STATION ALL HIGHWAY SYSTEM LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)

DATE March-April-1979

DATE October-December-1978

TIME TIME

OBSERVATION	PASSENGER CARS			TRUCKS		
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.
	PRES-	ENT	LAST	PRES-	ENT	LAST
NUMBER OF VEHICLES	3028	3130	0	2333	1028	0
AVERAGE SPEED (MPH)	28.22	28.00	0	27.44	27.27	0
STANDARD DEVIATION	5.835	5.825	0	5.925	5.925	0
24 MPH	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0
34 MPH	1	1	0	1	0	0
39 MPH	4	4	0	0	5	0
44 MPH	17	14	0	23	22	0
49 MPH	33	12	0	20	8	0
54 MPH	226	240	0	281	288	0
59 MPH	298	613	0	636	657	0
64 MPH	887	884	0	895	909	0
69 MPH	969	970	0	982	974	0
74 MPH	992	992	0	997	995	0
79 MPH	993	993	0	999	998	0
84 MPH	999	999	0	1000	1000	0
89 MPH	1000	1000	0	1000	1000	0

PERCENT
OF
VEHICLES
TRAVELING
AT OR
LESS THAN

Table 20
Monitoring of Speed
(Statistical Summary)

☒ Quarterly Report--Calendar Quarter Ending March 31, 1979
or
☐ Annual Report--Year Ending _____

STATE Indiana

	Miles	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	218	2	850	2.8	58.2	57.9	62.2	75	28	5
Interstate Rural	849	4	1,729	8.5	60.2	59.6	64.6	85	46	13
Multi-lane, Divided	657	4	1,733	13.6	56.7	56.3	62.0	61	24	6
Multi-lane, Undivided				(Included in multi-lane, divided classification)						
2-Lane, Rural	8,030	4	1,719	10.9	56.9	56.2	62.3	59	25	8
State Total	9,754	14	6,031	35.8	58.0	57.5	63.1	69	31	8

TABLE 21-
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	INTERSTATE	RURAL
STATION NUMBER	K1-6	LOCATION I-65 2.3 miles south of SR 56
NUMBER OF SESSIONS	1	DATES 4-5-79
		VEHICLES MEASURED 447
AVERAGE SPEED (MPH)	60.7	STANDARD DEVIATION 4.5
MEDIAN SPEED (MPH)	60.0	85TH PERCENTILE SPEED (MPH) 64.6
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	82	60 MPH 50
		05 MPH 13

TABLE 22--

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	INTERSTATE, RURAL		
STATION NUMBER	RI-21	LOCATION	I-69 1.6 miles south of SR 18
NUMBER OF SESSIONS	1	DATES	3-14-79
		VEHICLES MEASURED	427
AVERAGE SPEED (MPH)	59.2	STANDARD DEVIATION	4.2
MEDIAN SPEED (MPH)	58.9	85TH PERCENTILE SPEED (MPH)	63.5
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	79	60 MPH	39
		65 MPH	9

TABLE 23

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL
 STATION NUMBER RI-5 LOCATION I-64 5.35 miles east of SR 135
 NUMBER OF SESSIONS 1 DATES 4-9-79 VEHICLES MEASURED 431
 AVERAGE SPEED (MPH) 60.3 STANDARD DEVIATION 5.5
 MEDIAN SPEED (MPH) 59.6 85TH PERCENTILE SPEED (MPH) 64.8
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 84 60 MPH 47 65 MPH 14

TABLE 24

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL
 STATION NUMBER RI-20 LOCATION I-69 2.4 miles north of SR 28
 NUMBER OF SESSIONS 1 DATES 3-21-79 VEHICLES MEASURED 424
 AVERAGE SPEED (MPH) 60.6 STANDARD DEVIATION 5.2
 MEDIAN SPEED (MPH) 59.9 85TH PERCENTILE SPEED (MPH) 65.1
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 87 60 MPH 49 65 MPH 16

TABLE 25

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 4L-17 LOCATION US 52, 150' east of CR 475W, Tippecano Co.
 NUMBER OF SESSIONS 1 DATES 3-12-79 VEHICLES MEASURED 442
 AVERAGE SPEED (MPH) 56.4 STANDARD DEVIATION 5.9
 MEDIAN SPEED (MPH) 56.5 85TH PERCENTILE SPEED (MPH) 61.5
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 60.2 60 MPH 24.2 65 MPH 3.2

TABLE 26--

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 41-32 LOCATION US 30, 2.9 miles west of Wanatah City limit sign
 NUMBER OF SESSIONS 1 DATES 4-6-79 VEHICLES MEASURED 429
 AVERAGE SPEED (MPH) 58.4 STANDARD DEVIATION 5.3
 MEDIAN SPEED (MPH) 57.7 85TH PERCENTILE SPEED (MPH) 63.2
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 74 60 MPH 32 65 MPH 8

TABLE 27

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY -----MULTI-LANE, DIVIDED (RURAL)-----
 STATION NUMBER 4L-7 LOCATION US 40, 11.9 miles east of US 231-----
 NUMBER OF SESSIONS 1 DATES 3-13-79 VEHICLES MEASURED 420--
 AVERAGE SPEED (MPH) 57.2 STANDARD DEVIATION 6.3--
 MEDIAN SPEED (MPH) 56.6 85TH PERCENTILE SPEED (MPH) 62.8--
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH -----64.1-----60 MPH -----26.1-----65 MPH -----9.2-----

TABLE 28

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 4L-26 LOCATION SR 9, 2.55 miles south of SR 128
 NUMBER OF SESSIONS 1 DATES 3-21-79 VEHICLES MEASURED 442
 AVERAGE SPEED (MPH) 54.8 STANDARD DEVIATION 6.0
 MEDIAN SPEED (MPH) 54.6 85TH PERCENTILE SPEED (MPH) 59.6
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 47 60 MPH 13 65 MPH 3

TABLE 2

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE RURAL
 STATION NUMBER 21-18 LOCATION US 35, 2.4 miles east of I-69
 NUMBER OF SESSIONS 1 DATES 4-3-79 VEHICLES MEASURED 426
 AVERAGE SPEED (MPH) 57.4 STANDARD DEVIATION 5.7
 MEDIAN SPEED (MPH) 56.8 85TH PERCENTILE SPEED (MPH) 62.1
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 64 60 MPH 28 65 MPH 8

TABLE 30

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE RURAL
 STATION NUMBER 2L-54 LOCATION US 231, 1.1 miles south of SR 234
 NUMBER OF SESSIONS 1 DATES 3-16-79 VEHICLES MEASURED 432
 AVERAGE SPEED (MPH) 57.3 STANDARD DEVIATION 6.0
 MEDIAN SPEED (MPH) 56.8 85TH PERCENTILE SPEED (MPH) 63.2
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 61 60 MPH 27 65 MPH 7

TABLE 31--

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL
 STATION NUMBER 24-30 LOCATION US 52, 1.1 miles east of New Palestine
 NUMBER OF SESSIONS 1 DATES 3-15-79 VEHICLES MEASURED 437
 AVERAGE SPEED (MPH) 54.7 STANDARD DEVIATION 6.8
 MEDIAN SPEED (MPH) 54.1 85TH PERCENTILE SPEED (MPH) 60.2
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 43 60 MPH 16 65 MPH 6

TABLE 32

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL
 STATION NUMBER 21-23 LOCATION SR 28, 1.8 miles west of SR 341
 NUMBER OF SESSIONS 1 DATES 3-22-79 VEHICLES MEASURED 424
 AVERAGE SPEED (MPH) 56.3 STANDARD DEVIATION 6.3
 MEDIAN SPEED (MPH) 57.1 85TH PERCENTILE SPEED (MPH) 63.8
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 68% 60 MPH 32% 65 MPH 13%

TABLE 33

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY ----- INTERSTATE, URBAN -----
STATION NUMBER UI-6 LOCATION I-65, just east of White River -----
NUMBER OF SESSIONS 1 DATES 3-27-79 ----- VEHICLES MEASURED 422 -----
AVERAGE SPEED (MPH) 57.2 ----- STANDARD DEVIATION 4.6 -----
MEDIAN SPEED (MPH) 57.5 ----- 85TH PERCENTILE SPEED (MPH) 61.8 -----
PERCENTAGE OF VEHICLES EXCEEDING:
55 MPH ----- 74 ----- 60 MPH ----- 25 ----- 65 MPH ----- 4 -----

TABLE 34

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY ----- INTERSTATE, URBAN -----
 STATION NUMBER 01-7 LOCATION I-70, 0.6 miles east of I-465 (west leg)
 NUMBER OF SESSIONS 1 DATES 3-27-79 VEHICLES MEASURED 428
 AVERAGE SPEED (MPH) 58.5 STANDARD DEVIATION 4.9
 MEDIAN SPEED (MPH) 58.2 85TH PERCENTILE SPEED (MPH) 62.7
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH ----- 77.6 ----- 60 MPH ----- 31.8 ----- 65 MPH ----- 7.4 -----