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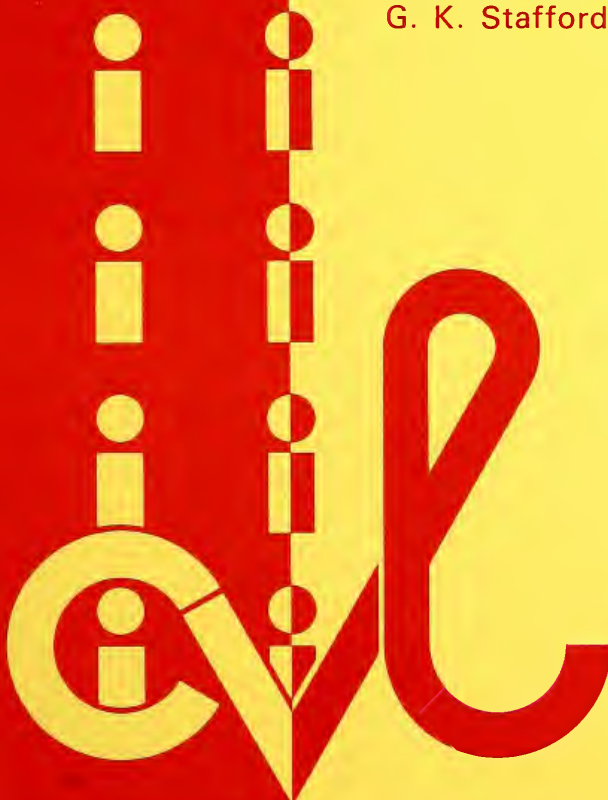


JOINT HIGHWAY
RESEARCH PROJECT

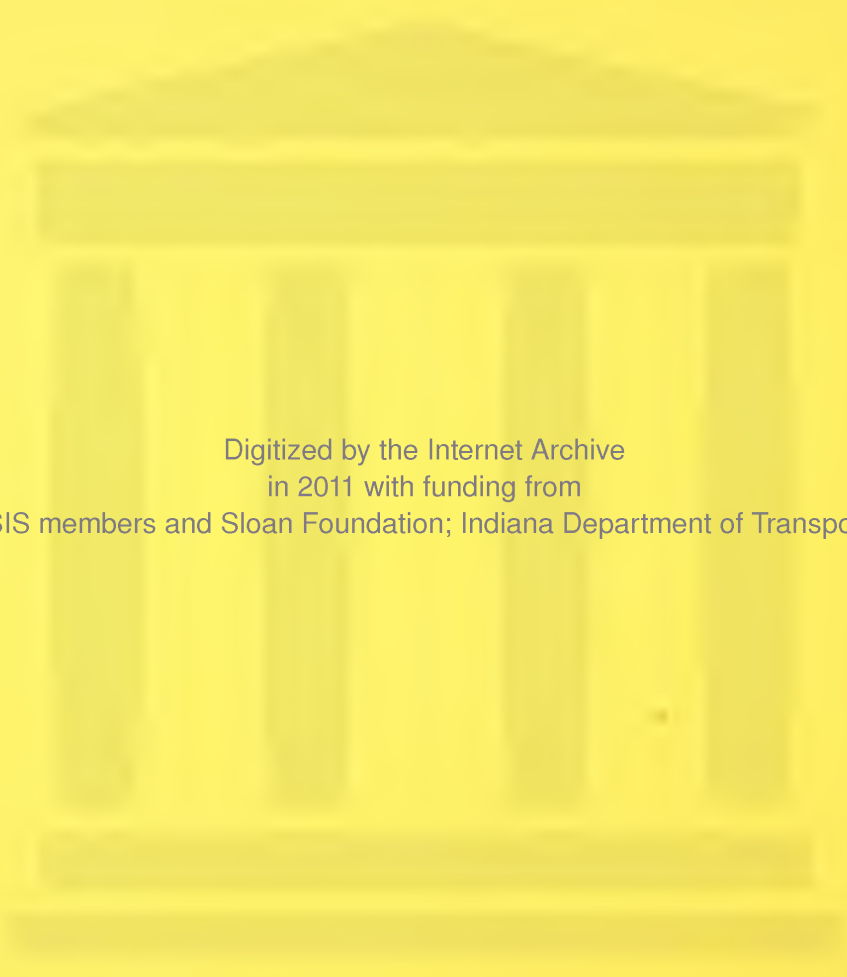
JHRP-79-2

TRAFFIC SPEED REPORT
NO. 107

J. R. Mekemson
G. K. Stafford



PURDUE UNIVERSITY
INDIANA STATE HIGHWAY COMMISSION



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TRAFFIC SPEED REPORT NO. 107

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

FROM: James Mekemson
Graduate Research Assistant
Joint Highway Research Project

February 8, 1979
File: 8-3-3
Project: C-36-10C

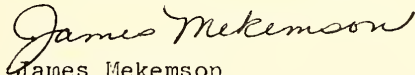
The attached Progress Report No. 107 on Traffic Speeds is the report of the October - December 1978 quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. J. R. Mekemson, 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 of passenger cars was 1.2 mph greater while that of heavy trucks was 0.5 mph greater than the respective average speeds for the preceding quarterly period.

The October - December quarterly period speeds are in general greater than the July - August quarterly period speeds. However, the average speed of passenger cars was 0.5 mph less while that of heavy trucks was 0.4 mph less than the respective average speeds of a year ago.

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,


James Mekemson
Graduate Research Assistant

JM:ks

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15. Supplementary Notes Conducted in cooperation with the U.S. Department of Transportation, Federal Highway Administration. Planning Study titled "Speed Trends for Indiana Highways."			
16. Abstract This report is another in the continuing study of speeds of vehicles on Indiana highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the October - December 1978 quarter. Analysis of the speeds showed the overall average speed for all vehicles was 58.3 mph. The overall average speed for passenger cars and all trucks was 58.8 mph and 57.7 mph respectively. These overall average speeds were 1.2 mph greater for passenger cars and 0.9 mph greater for trucks than speeds found in the July - September 1978 study (Speed Report No. 106).			
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Interim Report
TRAFFIC SPEED REPORT NO. 107

by

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and

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Joint Highway Research Project

Project No.: C-36-10C

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Engineering Experiment Station
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
February 8, 1979

TRAFFIC SPEED REPORT NO. 107

This report is an analysis of spot speed observations made between October and December 1978. All observations were of free flowing vehicles on level, tangent sections of rural and urban highways under favorable conditions. All observation were made during daylight under favorable 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. The "primary control stations" are used in each quarterly study. The second group is selected at random for each quarterly study.

Fourteen speed monitoring stations were used for this reported study. Seven of these stations were the primary control stations and the other seven stations were selected at random for this quarterly 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-2 (I-64)	5.9 miles west of S.R. 61
RI-17 (I-70)	1.1 miles east of S.R. 9

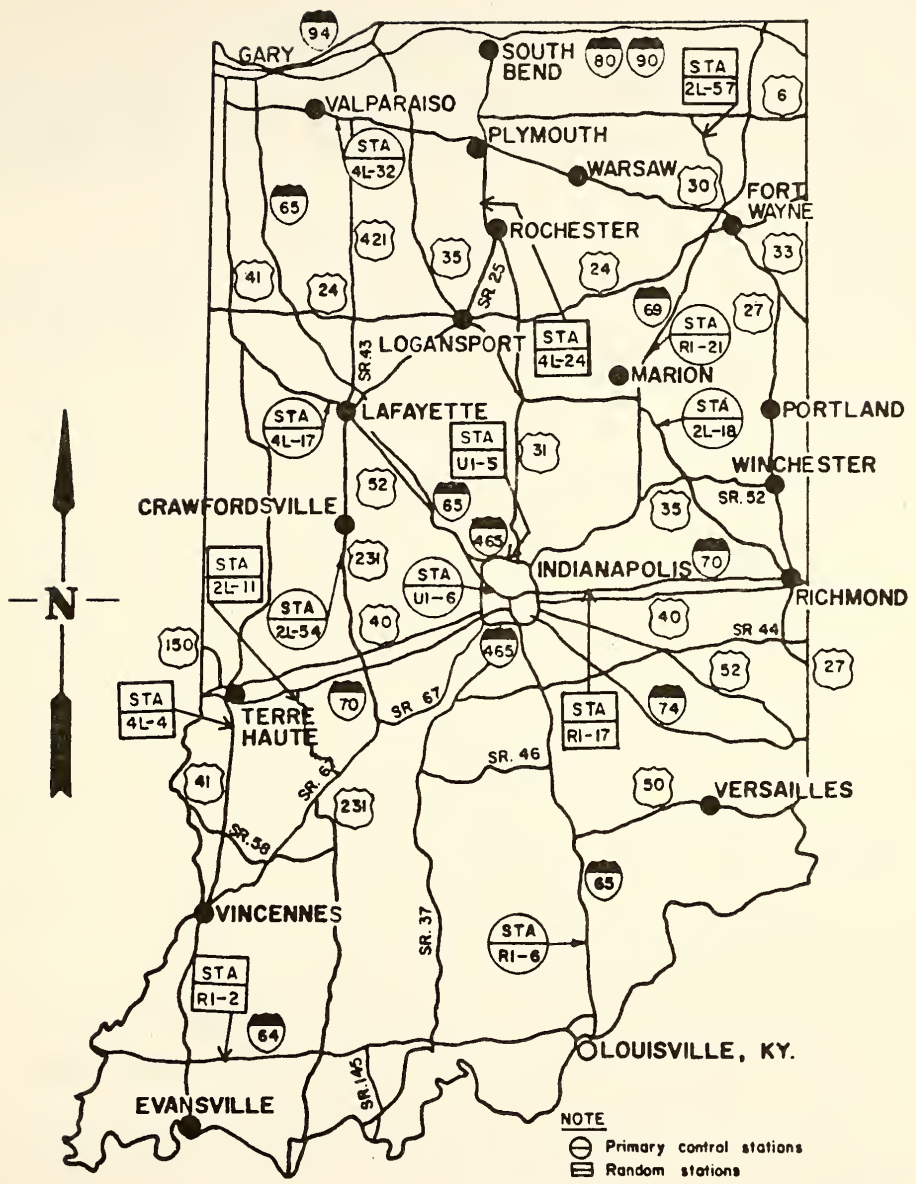


FIGURE A. LOCATIONS OF SPEED-STUDY STATIONS

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 W.
4L-4 (U.S. 41)	0.45 miles south of south sign of Youngstown
4L-24 (U.S. 31)	7.8 miles north of S.R. 25

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-11 (S.R. 59)	1.5 miles south of I-70
2L-57 (S.R. 3)	2.1 miles north of north leg of S.R. 8

Urban Interstate Highways

UI-6 (I-65)	just east of White River
UI-5 (I-465)	2.55 miles west of U.S. 31

*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 in Indiana is 55 miles per hour, both on Interstate and other rural highways.

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 summarized 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 a FHWA format which that organization requires.

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

	<u>Interstate</u>		<u>Other</u>	<u>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	59.3	60.8	57.8	57.3
Non-Indiana	59.7	60.6	59.5	58.3
All Passenger Cars	59.3	60.7	58.0	57.4
85 Percential (all)	62.9	64.7	62.6	62.0
<u>Trucks:</u>				
Less than 5,000 lbs.	58.7	59.4	56.9	56.6
5,000 lbs. or more	57.8	59.9	58.3	54.9
<u>All Vehicles:</u>				
Average	58.9	60.3	57.9	56.6
85 Percentile	62.5	64.6	62.7	61.6

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>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	82.4	88.2	68.0	63.5
Non-Indiana	90.9	87.5	80.0	71.3
All Passenger Cars	83.1	88.0	69.4	64.1
<u>Trucks:</u>				
Less than 5,000 lbs.	81.0	76.4	63.6	59.5
5,000 lbs. or more	71.6	83.4	72.0	49.5
<u>All Vehicles:</u>				
	80.1	85.0	68.9	59.6

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>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane</u> <u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	35.1	50.2	26.9	23.8
Non-Indiana	36.4	48.9	35.8	40.0
All Passenger Cars	35.2	49.9	27.9	25.1
<u>Trucks:</u>				
Less than 5,000 lbs.	27.9	39.1	29.9	21.7
5,000 lbs. or more	33.3	43.5	36.3	16.9
<u>All Vehicles:</u>				
	33.5	46.5	30.2	22.4

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>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane</u> <u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	9.1	13.6	6.6	7.1
Non-Indiana	4.5	14.3	9.2	7.5
All Passenger Cars	8.7	13.8	6.9	7.2
<u>Trucks:</u>				
Less than 5,000 lbs.	7.5	11.4	6.7	4.6
5,000 lbs. or more	2.5	12.3	9.0	3.7
<u>All Vehicles:</u>				
	7.1	13.0	7.4	5.8

Summary and Conclusions

Overall average speed for all vehicles and passenger cars in the October - December 1978 study were found to be 58.3 and 58.8 mph, respectively. These overall average speeds for all vehicles and passenger cars are respectively 1.1 and 1.2 mph above the results of the July - September 1978 study, and are 0.4 and 0.5 mph below the results of the October - December 1977 study.

Overall average speeds for all trucks and heavy trucks in this October - December 1978 study were found to be 57.7 and 57.8 mph, respectively. These overall average speeds for all trucks and heavy trucks are respectively 0.9 and 0.5 mph greater than the results of the July - September 1978 study, and differ by 0.4 and 0.4 mph, respectively, below the October - December 1977 study.

Table A presents a comparison of the overall speed results with that of the previous three studies. The table also shows that the 85th percentile speed of passenger cars increased by 1.1 mph to 63.2 mph when compared to the July - September 1978 study and is 0.8 mph below the results of the October - December 1977 study.

A comparison of October - December 1978 speed data with that for other recent periods for several types of highways for passenger cars and trucks is shown in Tables B, C, D, and E.

Tables B, C, D, and E show in general that passenger car and truck average speeds have increased slightly when compared to the July - September 1978 study results but are slightly less than speeds of October - December 1977.

Table A
Comparison of the Overall Speed Results

	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978	Jan.-March 1978
<u>Average:</u>				
All Passenger Cars	58.8	57.6	58.4	59.0
Heavy Trucks	57.8	57.3	57.9	57.8
All Trucks	57.7	56.8	57.6	57.6
<u>85 Percentile:</u>				
All Passenger Cars	63.2	62.1	63.1	63.8
Heavy Trucks	62.9	62.2	62.7	62.9
All Trucks	62.7	61.7	62.7	62.8
<u>15 Percentile:</u>				
Heavy Trucks	51.6	51.6	52.1	51.8

Table B
Average Speeds on Interstate Highways (Urban)

	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978	Jan.-March 1978
<u>Passenger Cars:</u>				
Indiana	59.3	58.0	59.2	59.7
Non-Indiana	59.7	57.9	57.9	61.2
All Passenger Cars	59.3	58.0	59.1	59.9
85 Percentile (all)	62.9	62.1	62.9	63.9
<u>Trucks:</u>				
Less than 5,000 lbs.	58.7	56.5	58.4	58.3
5,000 lbs. or more	57.8	56.8	57.7	58.4

Table C
Average Speeds on Interstate Highways (Rural)

	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978	Jan.-March 1978
<u>Passenger Cars:</u>				
Indiana	60.8	58.5	60.5	61.0
Non-Indiana	60.6	60.1	60.5	61.4
All Passenger Cars	60.7	59.2	60.5	61.1
85 Percentile (all)	64.7	63.1	64.9	65.9
<u>Trucks:</u>				
Less than 5,000 lbs.	59.4	58.2	59.3	59.8
5,000 lbs. or more	59.9	59.4	60.0	59.8

Table D
Average Speeds on Other Four-Lane Highways

	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978	Jan.-March 1978
<u>Passenger Cars:</u>				
Indiana	57.8	56.9	57.5	58.0
Non-Indiana	59.5	57.5	58.2	60.2
All Passenger Cars	58.0	56.9	57.6	58.2
85 Percentile (all)	62.6	61.6	62.2	62.7
<u>Trucks:</u>				
Less than 5,000 lbs.	56.9	55.4	57.2	57.3
5,000 lbs. or more	58.3	56.2	57.9	57.6

Table E
Average Speeds on Two-Lane Highways

	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978	Jan.-March 1978
<u>Passenger Cars:</u>				
Indiana	57.3	56.4	56.5	57.2
Non-Indiana	58.3	56.2	57.5	58.9
All Passenger Cars	57.4	56.4	56.8	57.3
85 Percentile (all)	62.0	61.0	61.6	62.3
<u>Trucks:</u>				
Less than 5,000 lbs.	56.6	55.0	55.3	55.5
5,000 lbs. or more	54.9	55.5	54.9	54.4

TABLE 1 SPEED DATA

STATION RI-6 HIGHWAY I-65 LOCATION 2.3 miles south of S.R. 56

NO. OF LANES 4 TYPE OF SURFACE Blacktop

WEATHER clear and sunny

THIS OBSERVATION DATE 11-9-78

DATE 9:18 a.m. - 10:32 a.m. NB

TIME 10:48 a.m. - 11:43 a.m. SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

OBSERVATION	PASSENGER CARS						TRUCKS											
	ALL			INDIANA			NON-INDIANA			ALL			<5000 LBS.			>5000 LBS.		
	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI
NUMBER OF VEHICLES	246	226	134	192	112	112	34	184	57	59	127	157						
AVE. SPEED (MPH)	60.70	61.21	60.70	61.24	60.50	61.03	60.10	60.80	59.80	58.73	60.20	61.57						
STANDARD DEVIATION	5.400	4.734	5.210	4.848	5.640	4.093	4.680	5.253	5.460	4.300	4.580							
24 MPH	0	0	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	0	0	0	0	0	0	0	0	0	0	0						
37 MPH	0	0	0	0	0	0	0	0	0	0	0	0						
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0						
49 MPH	1.2	2	1.5	1.0	2	2	0	1.1	2.8	1.8	8	1.3						
54 MPH	9.4	5.3	9.7	6.3	8.9	2.9	10.3	11.1	14.0	23.7	8.7	6.4						
TRAVELING AT OR LESS THAN	45.1	36.3	42.3	35.2	48.3	38.2	44.8	38.2	56.1	52.3	39.4	31.2						
	80.1	79.6	79.8	79.7	80.4	79.4	85.3	78.2	82.5	88.1	86.6	74.5						
	94.3	94.7	95.5	94.3	92.9	97.1	97.3	95.4	94.7	94.9	98.4	95.5						
	98.4	99.1	97.8	99.0	99.1	100.0	100.0	99.1	100.0	96.6	100.0	100.0						
	99.6	99.6	100.0	99.5	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0						
	99.6	100.0	100.0	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0						
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0						
DIRECTION	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB						
NUMBER OF VEHICLES	131	92	71	79	60	13	84	127	25	22	59	105						
AVERAGE SPEED	59.40	61.67	59.30	61.82	59.50	60.77	58.60	61.96	57.40	60.55	59.10	62.26						
DIRECTION	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB						
NUMBER OF VEHICLES	115	134	63	113	52	21	100	89	32	37	68	52						
AVERAGE SPEED	62.30	60.82	62.20	60.83	62.50	61.19	61.30	59.13	61.60	57.65	61.20	60.19						

TABLE 2--SPEED DATA

STATION RI-21 HIGHWAY I-69 LOCATION 1.6 miles south of S.R. 18
 NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER clear and sunny
 THIS OBSERVATION DATE 10-2-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)
 TIME 2:21p.m. 3:52p.m. NB
4:05p.m. 5:15p.m. SB

	PASSENGER CARS				INDIANA				NON-INDIANA				TRUCKS					
	ALL	INDIANA	NON-INDIANA	ALL	PRES-	ENI	LAST	ENI	PRES-	ENI	LAST	ENI	PRES-	ENI	LAST	ENI	PRES-	
OBSERVATION	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	263	343	178	267	85	176	174	176	48	85	126	91						
AVE. SPEED (MPH)	60.20	61.22	60.00	61.08	60.60	61.72	59.70	60.45	58.60	60.68	60.10	60.24						
STANDARD DEVIATION	4.760	4.857	4.560	4.727	5.170	5.064	5.350	4.905	6.090	5.025	5.020	4.738						
24 MPH	0	0	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	0	0	0	0	0	0	0	0	0	0	0						
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0						
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0						
49 MPH	4	3	6	3	0	1.3	2.9	0.6	4.2	0	2.4	1.1						
54 MPH	8.0	7.0	9.0	7.1	5.2	6.6	15.5	10.8	25.0	10.6	11.9	11.0						
TRAVELING	49.8	35.9	51.7	37.5	45.9	30.3	50.6	45.5	62.5	43.2	46.0	43.1						
AT OR	85.9	79.6	86.0	80.5	82.9	76.3	83.9	77.3	89.6	76.5	81.8	78.0						
LESS THAN	95.4	95.3	96.6	95.5	92.9	94.7	95.4	96.6	93.8	95.3	96.0	97.8						
74 MPH	98.5	98.5	98.4	98.9	96.5	97.4	99.4	99.4	97.2	98.8	100.0	100.0						
79 MPH	99.6	99.4	100.0	99.3	98.8	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	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	100.0	100.0	100.0	100.0						
DIRECTION NB																		
NUMBER OF VEHICLES	128	170	86	132	42	38	91	86	24	43	67	43						
AVERAGE SPEED	60.30	61.84	60.30	61.73	60.10	62.18	60.80	61.30	59.20	60.88	61.30	61.72						
DIRECTION SB																		
NUMBER OF VEHICLES	135	173	92	135	43	38	83	90	24	42	59	48						
AVERAGE SPEED	60.10	60.62	59.60	60.44	61.00	61.26	58.50	59.64	58.10	60.48	58.50	58.92						

TABLE 3 SPEED DATA

STATION RI-2 HIGHWAY I-64 LOCATION 5.9 miles west of S.R. 61
 NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER clear and sunny

THIS OBSERVATION DATE 11-8-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 TIME 9:18a.m.-10:44a.m. EB
 TIME 11:13a.m.-12:48p.m. WB

OBSERVATION	PASSENGER CARS						TRUCKS					
	INDIANA			NON-INDIANA			<5000 LBS.			>5000 LBS.		
	ALL	PRES-	ENI	LAST	ENI	LAST	ALL	PRES-	ENI	LAST	ENI	LAST
NUMBER OF VEHICLES	0	218	0	167	0	51	0	216	0	55	0	161
AVER. SPEED (MPH)	0	61.55	0	61.53	0	61.53	0	59.81	0	60.52	0	59.52
STANDARD DEVIATION	0	5.789	0	6.105	0	4.658	0	5.351	0	5.909	0	5.142
24 MPH	0	0	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	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	5	0	6	0	0	0	0	0	0	0	0
44 MPH	0	5	0	6	0	0	0	0	0	0	0	0
49 MPH	0	2.3	0	3.0	0	0	0	2.3	0	1.8	0	2.5
54 MPH	0	9.2	0	9.6	0	7.8	0	17.1	0	18.2	0	16.8
59 MPH	0	32.6	0	33.5	0	22.4	0	46.8	0	40.0	0	42.1
64 MPH	0	76.1	0	76.6	0	74.5	0	84.7	0	80.0	0	86.3
69 MPH	0	91.7	0	91.4	0	96.1	0	94.9	0	92.7	0	95.7
74 MPH	0	97.7	0	97.0	0	100.0	0	99.1	0	98.2	0	99.4
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	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	0	100.0	0	100.0
DIRECTION EB	0	112	0	92	0	20	0	104	0	22	0	82
NUMBER OF VEHICLES	0	61.66	0	61.50	0	62.40	0	58.66	0	60.64	0	58.13
AVERAGE SPEED	0	106	0	75	0	31	0	112	0	33	0	79
DIRECTION WB	0	61.42	0	61.61	0	60.97	0	60.87	0	60.48	0	61.03
NUMBER OF VEHICLES	0	61.42	0	61.61	0	60.97	0	60.87	0	60.48	0	61.03
AVERAGE SPEED	0	61.42	0	61.61	0	60.97	0	60.87	0	60.48	0	61.03

TABLE 4 SPEED DATA

STATION RI-17 HIGHWAY I-70 LOCATION 1.1 miles east of S.R. 9

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER cloudy

THIS OBSERVATION DATE 11-13-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 11-13-78
 TIME 11:05a.m. 12:15p.m. E3
 12:55p.m. 1:58p.m. WB

	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
	PRES-	ENT	PRES-	ENT	PRES-	ENT	PRES-	ENT	PRES-	ENT	PRES-	ENT
OBSERVATION	LASI	ENT	LASI	ENT	LASI	ENT	LASI	ENT	LASI	ENT	LASI	ENT
NUMBER OF VEHICLES	0	262	0	151	0	111	0	176	0	72	0	104
AVE. SPEED (MPH)	0	59.06	0	58.96	0	59.21	0	57.48	0	57.39	0	57.52
STANDARD DEVIATION	0	4.188	0	4.063	0	4.367	0	4.255	0	4.577	0	4.038
24 MPH	0	0	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	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0.6	0	1.4	0	0
49 MPH	0	0.8	0	0	0	1.8	0	5.1	0	5.0	0	4.8
54 MPH	0	9.2	0	9.9	0	8.1	0	18.8	0	18.1	0	19.2
TRAVELING	0	56.2	0	58.3	0	55.2	0	72.7	0	73.0	0	72.1
AT OR	0	92.6	0	93.4	0	91.0	0	93.8	0	94.4	0	93.3
LESS THAN	0	97.7	0	97.4	0	98.2	0	99.4	0	98.6	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	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	0	100.0	0	100.0
DIRECTION	WB		WB		WB		WB		WB		WB	
NUMBER OF VEHICLES	0	127	0	81	0	46	0	90	0	28	0	62
AVERAGE SPEED	0	58.62	0	58.80	0	58.48	0	57.28	0	57.54	0	57.16
DIRECTION	WB		WB		WB		WB		WB		WB	
NUMBER OF VEHICLES	0	135	0	70	0	65	0	86	0	44	0	42
AVERAGE SPEED	0	59.42	0	59.14	0	59.72	0	57.70	0	57.30	0	58.12

TABLE 5 SPEED DATA

STATION 4L-17 HIGHWAY U.S. 52 LOCATION Tippecanoe County 150' east of C.R. 475 West
 NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER clear and sunny

THIS OBSERVATION DATE 10-1-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)
 DATE 9:30a.m. TIME 11:18a.m. DATE 10-1-78 TIME 12:40p.m.
 OBSERVER LB WB

OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-	<5000 LBS.	5000-10000 LBS.	>5000 LBS.
NUMBER OF VEHICLES	278	249	323	14	151	159	151	159	106	89	92	51
AVERAGE SPEED (MPH)	56.80	56.95	56.60	56.50	56.10	55.47	56.30	55.80	55.04	55.80	56.34	56.34
STANDARD DEVIATION	5.900	6.900	5.367	5.000	3.818	7.250	6.282	7.050	6.090	6.559	6.624	6.624
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN												
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	4	4	0	0	0	0	0	0	0	0	0	0
39 MPH	7	8	3	0	1	3	1	3	1	2	2	2
44 MPH	4	5	1	0	6	3	6	3	6	3	7	5
49 MPH	8	8	5	0	13	8	13	8	14	2	13	2
54 MPH	29	30	28	5	28	1	32	0	44	3	28	3
59 MPH	71	72	70	9	71	4	74	2	78	3	67	0
64 MPH	91	91	91	9	92	2	94	3	94	3	90	3
69 MPH	98	98	98	4	98	7	100	0	97	8	100	0
74 MPH	99	99	99	7	100	0	99	3	98	9	100	0
79 MPH	100	100	100	0	100	0	99	3	100	0	100	0
84 MPH	100	100	100	0	100	0	99	3	100	0	100	0
89 MPH	100	100	100	0	100	0	99	3	100	0	100	0

DIRECTION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-	<5000 LBS.	5000-10000 LBS.	>5000 LBS.
NUMBER OF VEHICLES	146	131	156	5	69	82	43	57	25	26	25	25
AVERAGE SPEED	56.20	56.95	55.90	56.10	58.10	56.40	54.50	55.51	54.60	54.56	54.30	57.68
DIRECTION	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB
NUMBER OF VEHICLES	132	115	167	9	82	77	46	49	36	36	28	28
AVERAGE SPEED	57.40	56.95	57.30	56.98	57.80	56.56	57.50	55.43	57.90	55.59	57.00	55.14

TABLE 6 SPEED DATA

STATION 41-32 HIGHWAY U.S. 30 LOCATION 2.9 miles west of Manatah City Limit sign
 NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER partly cloudy
 THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)
 DATE 11-10-78 DATE
 TIME 11:45a.m.-12:13p.m. EB
10:42a.m.-11:41a.m. WB

OBSERVATION	ALL			PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-
NUMBER OF VEHICLES	180	252	196	131	49	56	248	189	47	66	291	123			
AVE. SPEED (MPH)	57.50	58.96	58.52	57.60	58.50	59.01	57.30	59.02	58.80	59.00	59.00	59.00			
STANDARD DEVIATION	4.790	5.034	4.510	5.077	5.540	4.592	4.130	5.354	4.590	5.302	5.302	5.302			
24 MPH	0	0	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	0	0	0	0	0	0	0	0	0	0	0			
39 MPH	0	4	5	0	0	4	0	5	5	0	5	0			
44 MPH	6	8	8	8	8.2	1.8	2.8	3.2	1.6	1.6	1.4	1.6			
49 MPH	2.8	2.4	2.6	8	28.6	8.9	16.9	16.9	4.3	4.3	2.5	4.1			
54 MPH	27.8	16.7	18.9	27.5	28.6	8.9	16.9	16.9	23.4	23.4	15.4	17.1			
TRAVELING	69.4	54.8	59.7	71.8	63.3	37.5	55.2	54.0	68.1	68.1	52.2	55.3			
AT OR	92.2	89.3	92.4	91.8	91.8	80.4	91.9	91.5	97.9	92.4	90.6	91.1			
LESS THAN	97.6	97.6	98.0	98.2	95.9	96.4	100.0	96.3	100.0	97.0	100.0	95.9			
74 MPH	100.0	99.6	99.5	100.0	100.0	100.0	100.0	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	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	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	100.0	100.0	100.0	100.0			
DIRECTION <u>EB</u>	94	131	100	68	26	31	121	92	24	34	97	58			
NUMBER OF VEHICLES	57.60	58.77	57.70	58.54	57.50	59.52	59.30	58.77	56.80	58.38	59.90	59.00			
AVERAGE SPEED	86	121	96	63	23	25	127	97	23	32	106	65			
DIRECTION <u>WB</u>	57.30	59.17	57.20	58.49	57.50	61.76	57.80	59.23	57.80	59.69	57.80	59.00			
NUMBER OF VEHICLES	57.30	59.17	57.20	58.49	57.50	61.76	57.80	59.23	57.80	59.69	57.80	59.00			
AVERAGE SPEED															

TABLE 7 SPEED DATA

STATION 4L-4 HIGHWAY U.S. 41 LOCATION .45 miles south of south sign of Youngstown
 NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER partly cloudy

THIS OBSERVATION DATE 11-7-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE 12:01p.m. TIME 12:57p.m. NB
 TIME 10:56a.m. TIME 11:49a.m. SB

OBSERVATION	PASSENGER CARS												TRUCKS											
	ALL				INDIANA				NON-INDIANA				ALL				<5000 LBS.				>5000 LBS.			
	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST			
NUMBER OF VEHICLES	0	251	0	237	0	14	0	188	0	96	0	92	0	96	0	92	0	92	0	92	0	92		
AVERAGE SPEED (MPH)	0	56.89	0	56.77	0	58.86	0	55.16	0	55.88	0	54.41	0	55.88	0	54.41	0	54.41	0	54.41	0	54.41		
STANDARD DEVIATION	0	5.071	0	5.134	0	3.416	0	5.535	0	5.564	0	5.642	0	5.564	0	5.642	0	5.642	0	5.642	0	5.642		
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
39 MPH	0	4	0	4	0	0	0	5	0	0	0	1.1	0	0	0	0	0	0	0	0	0	0		
44 MPH	0	2.4	0	2.5	0	0	0	4.8	0	3.1	0	6.5	0	3.1	0	6.5	0	6.5	0	6.5	0	6.5		
49 MPH	0	7.2	0	7.6	0	0	0	13.3	0	10.4	0	16.3	0	10.4	0	16.3	0	16.3	0	16.3	0	16.3		
54 MPH	0	27.1	0	27.8	0	14.3	0	44.1	0	39.6	0	48.2	0	39.6	0	48.2	0	48.2	0	48.2	0	48.2		
59 MPH	0	70.9	0	71.7	0	57.1	0	75.0	0	68.8	0	81.5	0	68.8	0	81.5	0	81.5	0	81.5	0	81.5		
64 MPH	0	95.2	0	94.9	0	100.0	0	95.7	0	93.8	0	97.8	0	93.8	0	97.8	0	97.8	0	97.8	0	97.8		
69 MPH	0	98.8	0	98.7	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0		
74 MPH	0	99.6	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0		
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0		
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	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	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0		
DIRECTION NB	0	130	0	124	0	6	0	91	0	48	0	43	0	48	0	43	0	43	0	43	0	43		
NUMBER OF VEHICLES	0	130	0	124	0	6	0	91	0	48	0	43	0	48	0	43	0	43	0	43	0	43		
AVERAGE SPEED	0	55.92	0	55.86	0	58.67	0	54.88	0	56.54	0	53.02	0	56.54	0	53.02	0	53.02	0	53.02	0	53.02		
DIRECTION SB	0	121	0	113	0	8	0	97	0	48	0	49	0	48	0	49	0	49	0	49	0	49		
NUMBER OF VEHICLES	0	121	0	113	0	8	0	97	0	48	0	49	0	48	0	49	0	49	0	49	0	49		
AVERAGE SPEED	0	57.85	0	57.77	0	59.00	0	55.42	0	55.21	0	55.63	0	55.21	0	55.63	0	55.63	0	55.63	0	55.63		

TABLE 8 SPEED DATA

STATION 4L-24 HIGHWAY U.S. 31 LOCATION 7.8 miles North of S.R. 25

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER cloudy

THIS OBSERVATION DATE 11-15-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

DATE 10:37a.m. TIME 12:17p.m. NB
12:30p.m. 1:55p.m. SB

OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS			
	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-	<5000	5000	>5000	
	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST
NUMBER OF VEHICLES	0	219	0	183	0	36	0	215	0	73	0	142	0
AVE. SPEED (MPH)	0	59.58	0	59.66	0	59.17	0	60.40	0	59.26	0	60.99	0
STANDARD DEVIATION	0	5.076	0	5.247	0	4.137	0	5.224	0	5.528	0	4.316	0
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	9	0	1.1	0	0	0	5	0	1.4	0	0	0
54 MPH	0	12.8	0	12.0	0	16.7	0	14.0	0	4.1	0	0	0
59 MPH	0	54.8	0	55.2	0	52.8	0	39.5	0	20.5	0	10.6	0
AT OR	0	64.2	0	84.2	0	88.2	0	77.7	0	53.4	0	32.4	0
LESS THAN	0	95.4	0	94.5	0	100.0	0	98.6	0	83.6	0	74.6	0
74 MPH	0	99.1	0	98.9	0	100.0	0	99.5	0	97.3	0	99.3	0
79 MPH	0	100.0	0	100.0	0	100.0	0	99.5	0	98.6	0	100.0	0
84 MPH	0	100.0	0	100.0	0	100.0	0	99.5	0	98.6	0	100.0	0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0
DIRECTION NB													
NUMBER OF VEHICLES	0	110	0	94	0	16	0	104	0	31	0	73	0
AVERAGE SPEED	0	59.45	0	59.50	0	59.12	0	59.99	0	59.10	0	60.37	0
DIRECTION SB													
NUMBER OF VEHICLES	0	102	0	89	0	20	0	111	0	42	0	69	0
AVERAGE SPEED	0	59.72	0	59.83	0	59.20	0	60.79	0	59.38	0	61.65	0

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 clear and sunny

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)
 DATE 10-2-78 DATE
 TIME 10:05a.m.-1:32p.m. TIME

OBSERVATION	PASSENGER CARS						TRUCKS					
	ALL			NON-INDIANA			ALL			>5000 LBS.		
	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI
NUMBER OF VEHICLES	283	342	257	313	29	146	241	90	67	151		
AVERAGE SPEED (MPH)	57.60	57.99	57.50	57.89	58.10	55.30	55.05	56.10	54.30	53.20		
STANDARD DEVIATION	6.080	5.608	6.110	5.645	5.810	6.360	5.658	6.410	6.200	5.982		
24 MPH	0	0	0	0	0	0	0	0	0	0		
29 MPH	0	0	0	0	0	0	0	0	0	0		
34 MPH	0	0	0	0	0	0	0	0	0	0		
39 MPH	0	3	0	3	0	7	1.2	0	1.5	2.0		
44 MPH	2.1	3	2.3	3	0	6.2	6.6	5.1	7.4	9.9		
49 MPH	7.1	5.0	7.4	5.4	3.8	15.8	14.9	12.7	19.4	19.2		
54 MPH	27.9	22.8	27.6	23.3	30.8	43.2	39.8	38.0	49.3	49.0		
59 MPH	67.1	66.1	67.7	67.4	61.5	73.3	80.9	70.9	76.1	86.1		
64 MPH	88.0	92.4	88.3	93.0	84.6	93.2	97.5	89.9	96.7	98.0		
69 MPH	96.5	96.8	96.1	96.8	100.0	99.3	100.0	98.7	100.0	100.0		
74 MPH	99.3	98.8	99.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0		
79 MPH	100.0	99.4	100.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0		
84 MPH	100.0	99.4	100.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0		
89 MPH	100.0	99.7	100.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0		
DIRECTION	EB											
NUMBER OF VEHICLES	129	171	120	156	9	84	126	44	40	80		
AVERAGE SPEED	58.40	58.37	58.30	58.40	58.90	56.20	56.22	57.70	54.70	55.54		
DIRECTION	WB											
NUMBER OF VEHICLES	154	171	137	157	17	62	115	35	27	71		
AVERAGE SPEED	56.90	57.61	56.80	57.38	57.70	54.00	53.77	54.20	53.70	52.06		

TABLE 10 SPEED DATA

STATION 2L-54 HIGHWAY U.S. 231 LOCATION 1.1 miles south of S.R. 234

NO. OF LANES 2 TYPE OF SURFACE Blacktop WEATHER clear and sunny

THIS OBSERVATION DATE 10-3-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

DATE 10-3-78
 TIME 10:09am-1:00pm

	PASSENGER CARS						TRUCKS					
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.
	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-
NUMBER OF VEHICLES	241	216	204	25	13	13	196	218	84	110	134	134
AVERAGE SPEED (MPH)	55.70	57.37	55.60	57.29	58.62	58.62	55.80	56.70	57.79	55.50	56.01	56.01
STANDARD DEVIATION	5.820	5.653	5.810	5.614	6.345	6.345	6.480	6.407	6.070	5.880	6.340	6.340
24 MPH	0	0	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	0	0	0	0	0	0	0	0	0	0	0
39 MPH	8	5	5	0	0	0	0	0	1.2	0	3.0	3.0
44 MPH	5.0	2.2	5.1	1.0	0	0	4.6	2.8	1.2	5.4	3.7	3.7
49 MPH	10.8	7.4	11.6	4.0	7.7	7.7	14.8	11.6	4.8	13.6	14.2	14.2
54 MPH	38.6	28.5	38.0	44.0	23.1	23.1	41.3	30.7	25.0	41.8	34.3	34.3
TRAVELING AT OR LESS THAN	78.8	68.2	79.2	76.0	53.8	53.8	74.5	68.3	65.5	77.3	70.1	70.1
64 MPH	94.6	90.8	95.4	91.2	88.0	84.6	92.3	92.7	91.7	96.4	93.3	93.3
69 MPH	98.3	97.7	98.6	97.5	100.0	100.0	98.0	97.7	95.2	99.1	99.3	99.3
74 MPH	100.0	100.0	100.0	100.0	100.0	100.0	98.5	99.5	98.8	99.1	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	98.8	99.1	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	100.0

	PASSENGER CARS						TRUCKS					
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.
	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-
NUMBER OF VEHICLES	110	106	102	99	8	7	102	109	43	59	66	66
AVERAGE SPEED	56.00	56.99	55.90	56.68	57.40	61.43	55.70	57.20	58.19	54.80	56.56	56.56
DIRECTION												
NUMBER OF VEHICLES	131	111	114	105	17	6	94	109	41	51	68	68
AVERAGE SPEED	55.40	57.73	55.30	57.87	55.80	55.33	55.80	56.19	57.37	56.30	55.49	55.49

TABLE 11 SPEED DATA

STATION 2L-11 HIGHWAY S.R. 59 LOCATION 1.5 miles south of I-70

NO. OF LANES 2 TYPE OF SURFACE Blacktop WEATHER cloudy

THIS OBSERVATION DATE 11-14-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

TIME 10:13am-1:10pm

OBSERVATION	PASSENGER CARS						TRUCKS					
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.	ALL	<5000 LBS.	>5000 LBS.	ALL	<5000 LBS.	>5000 LBS.
	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST
NUMBER OF VEHICLES	0	222	0	214	0	207	0	207	0	119	0	88
AVERAGE SPEED (MPH)	0	57.64	0	57.61	0	58.38	0	56.48	0	56.35	0	56.65
STANDARD DEVIATION	0	6.664	0	6.730	0	4.809	0	5.737	0	5.626	0	5.911
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN												
24 MPH	0	0	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	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	1.4	0	1.4	0	1.0	0	1.0	0	8	0	1.1
49 MPH	0	9.9	0	10.3	0	11.1	0	11.1	0	8.4	0	14.8
54 MPH	0	29.7	0	29.9	0	25.0	0	38.2	0	37.7	0	37.3
59 MPH	0	66.2	0	66.4	0	62.5	0	72.5	0	74.8	0	69.3
64 MPH	0	89.6	0	89.3	0	100.0	0	90.3	0	91.6	0	89.6
69 MPH	0	95.0	0	94.9	0	100.0	0	99.0	0	99.2	0	98.9
74 MPH	0	98.5	0	98.6	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.5	0	99.5	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	99.5	0	99.5	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	99.5	0	99.5	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	114	0	111	0	102	0	102	0	56	0	46
AVERAGE SPEED	0	56.68	0	56.59	0	60.00	0	55.19	0	55.88	0	54.35
DIRECTION SB												
NUMBER OF VEHICLES	0	108	0	103	0	57.40	0	105	0	63	0	62
AVERAGE SPEED	0	58.66	0	58.72	0	57.73	0	57.73	0	56.78	0	59.17

TABLE 12 SPEED DATA

STATION 2L-57 HIGHWAY S.R. 3 LOCATION 2.1 miles north of north leg of S.R. 8

NO. OF LANES 2 TYPE OF SURFACE Blacktop WEATHER cloudy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 11-16-78
 TIME 8:40am-11:58am

DATE
 TIME

TRUCKS

PASSENGER CARS

ALL

	INDIANA			NON-INDIANA			ALL			<5000 LBS.			>5000 LBS.		
	PRES-	ENT	LAST	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	LAST	ENT	LAST
NUMBER OF VEHICLES	0	268	0	0	238	0	0	30	0	168	0	80	0	88	0
AVERAGE SPEED (MPH)	0	56.47	0	0	56.37	0	0	57.23	0	54.31	0	55.31	0	53.40	0
STANDARD DEVIATION	0	5.377	0	0	5.413	0	0	5.110	0	5.770	0	5.570	0	5.828	0
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	4	0	0	4	0	0	0	0	1.2	0	0	0	0	0
44 MPH	0	1.9	0	0	2.1	0	0	0	0	2.4	0	3.8	0	2.3	0
49 MPH	0	8.5	0	0	8.8	0	0	6.7	0	17.3	0	16.3	0	18.2	0
54 MPH	0	32.9	0	0	34.5	0	0	20.0	0	45.8	0	37.5	0	53.4	0
59 MPH	0	72.4	0	0	73.5	0	0	63.3	0	84.5	0	80.0	0	88.6	0
64 MPH	0	24.8	0	0	24.2	0	0	26.7	0	27.6	0	28.8	0	26.6	0
69 MPH	0	98.5	0	0	98.3	0	0	100.0	0	99.4	0	98.8	0	100.0	0
74 MPH	0	100.0	0	0	100.0	0	0	100.0	0	100.0	0	100.0	0	100.0	0
79 MPH	0	100.0	0	0	100.0	0	0	100.0	0	100.0	0	100.0	0	100.0	0
84 MPH	0	100.0	0	0	100.0	0	0	100.0	0	100.0	0	100.0	0	100.0	0
89 MPH	0	100.0	0	0	100.0	0	0	100.0	0	100.0	0	100.0	0	100.0	0

DIRECTION NB

NUMBER OF VEHICLES	0	133	0	0	123	0	0	10	0	85	0	45	0	40	0
AVERAGE SPEED	0	56.75	0	0	56.58	0	0	58.20	0	54.78	0	56.20	0	53.17	0
DIRECTION SB															
NUMBER OF VEHICLES	0	135	0	0	115	0	0	20	0	83	0	35	0	48	0
AVERAGE SPEED	0	56.19	0	0	56.16	0	0	56.40	0	53.83	0	54.17	0	53.58	0

TABLE 13 SPEED DATA

STATION UI-6 HIGHWAY I-65 LOCATION Just east of White River

NO. OF LANES 6 TYPE OF SURFACE concrete WEATHER cloudy

THIS OBSERVATION DATE 11-20-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

TIME 1:09pm-1:55pm WB
2:15pm-2:50pm WB

	PASSENGER CARS						TRUCKS					
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.
	PRES-	ENI	LASI	ENI	LASI	ENI	PRES-	ENI	LASI	ENI	LASI	ENI
OBSERVATION	LASI	ENI	LASI	ENI	LASI	ENI	PRES-	ENI	LASI	ENI	LASI	ENI
NUMBER OF VEHICLES	275	229	255	46	161	161	0	0	0	78	81	83
AVERAGE SPEED (MPH)	58.10	59.49	58.00	58.50	56.90	58.04	57.00	58.41	56.80	58.41	56.80	57.70
STANDARD DEVIATION	5.000	4.804	5.070	4.920	4.670	3.052	4.134	4.079	4.181	4.079	5.190	4.181
24 MPH	0	0	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	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	4	4	4	0	6	6	0	0	0	0	0	0
49 MPH	3.6	1.1	4.4	1.2	0	0	2.5	2.6	3.8	2.6	8.6	2.4
54 MPH	22.1	13.5	22.3	13.7	21.7	10.0	12.5	12.4	31.3	12.4	18.5	15.7
TRAVELING	61.5	55.3	62.9	56.1	54.3	45.0	64.6	62.8	68.8	62.8	72.8	66.3
AT OR	64 MPH	90.6	86.2	90.4	85.5	91.3	95.0	95.7	92.5	93.6	97.5	97.6
LESS THAN	69 MPH	97.8	97.5	97.8	97.3	97.8	98.8	98.8	98.8	98.7	100.0	98.8
	74 MPH	99.6	99.3	99.6	99.2	100.0	100.0	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	100.0	100.0	100.0
	84 MPH	100.0	100.0	100.0	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	100.0	100.0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	143	142	114	132	22	10	76	75	38	32	38	40
AVERAGE SPEED	57.80	59.20	57.70	59.15	58.40	59.80	57.90	58.06	55.70	58.06	55.70	57.55
DIRECTION WB												
NUMBER OF VEHICLES	132	133	115	123	17	10	85	86	42	43	43	43
AVERAGE SPEED	58.40	59.81	58.40	59.87	58.70	59.10	57.70	58.27	57.60	58.70	57.90	57.84

TABLE 14 SPEED DATA

STATION UI-5 HIGHWAY I-465 LOCATION 2.5 miles west of U.S. 31

NO. OF LANES 6 TYPE OF SURFACE concrete WEATHER cloudy

THIS OBSERVATION DATE 11-20-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 10:07 am TIME 10:50am WB
11:00am-12:00noon WB

OBSERVATION	PASSENGER CARS			NON-INDIANA			TRUCKS		
	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-
NUMBER OF VEHICLES	0	227	0	24	0	190	0	69	0
AVERAGE SPEED (MPH)	0	59.16	0	59.87	0	58.29	0	59.12	0
STANDARD DEVIATION	0	3.982	0	4.164	0	3.083	0	4.807	0
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN									
54 MPH	0	11.5	0	12.3	0	4.2	0	11.6	0
59 MPH	0	54.6	0	55.1	0	50.0	0	59.4	0
64 MPH	0	91.9	0	92.1	0	87.5	0	87.0	0
69 MPH	0	98.4	0	98.2	0	100.0	0	98.6	0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0
DIRECTION									
NUMBER OF VEHICLES	0	118	0	107	0	11	0	34	0
AVERAGE SPEED	0	58.84	0	58.64	0	60.82	0	59.35	0
DIRECTION									
NUMBER OF VEHICLES	0	133	0	120	0	13	0	35	0
AVERAGE SPEED	0	59.44	0	59.47	0	59.78	0	58.89	0

TABLE 15 SPEED DATA

STATION RIALL HIGHWAY 4 Lane Rural LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION DATE October-December, 1978 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106) DATE July-September, 1978

TIME TIME

OBSERVATION	PASSENGER CARS			NON-INDIANA			TRUCKS		
	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-
NUMBER OF VEHICLES	0	0	0	0	0	0	0	0	0
AVERAGE SPEED (MPH)	0	0	0	0	0	0	0	0	0
STANDARD DEVIATION	0	0	0	0	0	0	0	0	0
24 MPH	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	0	0	0
54 MPH	0	0	0	0	0	0	0	0	0
59 MPH	0	0	0	0	0	0	0	0	0
64 MPH	0	0	0	0	0	0	0	0	0
69 MPH	0	0	0	0	0	0	0	0	0
74 MPH	0	0	0	0	0	0	0	0	0
79 MPH	0	0	0	0	0	0	0	0	0
84 MPH	0	0	0	0	0	0	0	0	0
89 MPH	0	0	0	0	0	0	0	0	0

TABLE 17 SPEED DATA

STATION 2L11 HIGHWAY 2 Lane Rural LOCATION see individual stations WEATHER

NO. OF LANES TYPE OF SURFACE

THIS OBSERVATION DATE October-December, 1978 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106) DATE July-September, 1978

OBSERVATION NUMBER OF VEHICLES	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-
AVE. SPEED (MPH)	57.40	57.33	58.26	58.26	58.26	58.26	55.69	55.69	55.69	56.61	56.61	54.94
STANDARD DEVIATION	5.82	5.86	5.27	5.27	5.27	5.27	5.97	5.97	5.97	5.51	5.51	6.22
24 MPH	0	0	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	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	3	0	0	0	0	1.2	1.2	1.2	3	3	2.0
44 MPH	1.0	1.1	0	0	0	0	4.0	4.0	4.0	1.6	1.6	5.9
49 MPH	7.4	7.7	0	3.8	3.8	3.8	13.3	13.3	13.3	9.1	9.1	16.7
54 MPH	28.0	28.7	0	20.0	20.0	20.0	38.2	38.2	38.2	31.9	31.9	43.4
59 MPH	68.2	69.0	0	57.5	57.5	57.5	76.3	76.3	76.3	73.2	73.2	78.7
64 MPH	92.1	92.2	0	91.3	91.3	91.3	94.5	94.5	94.5	94.4	94.4	94.6
69 MPH	97.0	96.9	0	98.8	98.8	98.8	95.0	95.0	95.0	98.4	98.4	99.6
74 MPH	99.3	99.3	0	100.0	100.0	100.0	99.9	99.9	99.9	99.7	99.7	100.0
79 MPH	99.7	99.7	0	100.0	100.0	100.0	99.9	99.9	99.9	99.7	99.7	100.0
84 MPH	99.7	99.7	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	99.8	99.8	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 18. SPEED DATA

Interstate

HIGHWAY Urban

LOCATION see individual stations

TYPE OF SURFACE

WEATHER

THIS OBSERVATION

DATE October-December, 1978

TIME

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. _____)

DATE July-September, 1978

TIME

OBSERVATION	PASSENGER CARS			NON-INDIANA			TRUCKS			
	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-	ALL	<5000 LBS.	>5000 LBS.	
	LASI	ENT	LASI	ENT	LASI	ENT	LASI	ENT	LASI	ENT
NUMBER OF VEHICLES	0	525	0	482	0	44	0	351	0	147
AVERAGE SPEED (MPH)	0	59.33	0	59.30	0	59.68	0	58.18	0	58.74
STANDARD DEVIATION	0	4.430	0	4.537	0	3.041	0	4.658	0	4.434
24 MPH	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	1.1	0	0.7
49 MPH	0	8	0	8	0	0	0	4.0	0	2.7
54 MPH	0	12.5	0	13.1	0	6.8	0	17.9	0	13.6
59 MPH	0	54.9	0	55.6	0	47.7	0	61.0	0	61.2
64 MPH	0	88.3	0	88.6	0	90.9	0	92.9	0	90.5
69 MPH	0	97.9	0	97.7	0	100.0	0	99.1	0	98.6
74 MPH	0	99.6	0	99.6	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	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	0	100.0

TABLE 19. SPEED DATA

STATION ALL HIGHWAY Indiana System LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION DATE October-December, 1978 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE July-September, 1978
 TIME

	PASSENGER CARS		NON-INDIANA		ALL		TRUCKS			
	INDIANA		PRES-		PRES-		PRES-			
	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT		
NUMBER OF VEHICLES	0	3669	0	516	0	2720	0	1132	0	1588
AVERAGE SPEED (MPH)	0	58.80	0	52.88	0	57.72	0	57.64	0	57.78
STANDARD DEVIATION	0	5.416	0	4.679	0	5.810	0	5.722	0	5.874
24 MPH	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	0	0	0	0
54 MPH	0	18.4	0	10.7	0	25.8	0	26.1	0	25.6
TRAVELING AT OR	0	57.1	0	45.9	0	62.1	0	64.8	0	60.1
LESS THAN	0	88.3	0	83.8	0	89.6	0	90.7	0	88.8
69 MPH	0	96.9	0	96.7	0	98.2	0	97.9	0	98.4
74 MPH	0	99.3	0	99.6	0	99.7	0	99.5	0	99.9
79 MPH	0	99.8	0	100.0	0	99.9	0	99.8	0	100.0
84 MPH	0	99.9	0	100.0	0	100.0	0	99.9	0	100.0
89 MPH	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0

Table 20
Monitoring of Speed
(Statistical Summary)

Quarterly Report--Calendar Quarter Ending December 31, 1978

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	877	2.8	58.9	58.4	62.5	80	34	7		
Interstate Rural	849	4	1833	10.1	60.3	59.6	64.5	85	46	13		
Multi-lane, Divided	657	4	1796	10.9	57.9	57.5	62.3	69	30	7		
Multi-lane, Undivided												
				(Included in multi-lane, divided classification)								
2-Lane, Rural	8030	4	1883	12.6	56.6	56.2	61.6	60	22	6		
State Total	9754	14	6389	36.4	58.3	57.9	63.0	72	33	8		

TABLE 21

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE RURAL
 STATION NUMBER RI-6 LOCATION I-65 2.3 miles south of S.R. 56
 NUMBER OF SESSIONS 1 DATES 11-9-78 VEHICLES MEASURED 442
 AVERAGE SPEED (MPH) 61.0 STANDARD DEVIATION 5.0
 MEDIAN SPEED (MPH) 60.4 85TH PERCENTILE SPEED (MPH) 65.3
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 89 60 MPH 54 65 MPH 17

TABLE 22

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL
 STATION NUMBER RI-21 LOCATION I-69 1.6 miles south of S.R. 18
 NUMBER OF SESSIONS 1 DATES 10-2-78 VEHICLES MEASURED 519
 AVERAGE SPEED (MPH) 61.0 STANDARD DEVIATION 4.9
 MEDIAN SPEED (MPH) 60.2 85TH PERCENTILE SPEED (MPH) 65.0
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 89 60 MPH 52 65 MPH 15

TABLE 23

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-2 LOCATION I-64 5.9 miles west of S.R. 61

NUMBER OF SESSIONS 1 DATES 11-8-78 VEHICLES MEASURED 434

AVERAGE SPEED (MPH) 60.7 STANDARD DEVIATION 5.6

MEDIAN SPEED (MPH) 60.2 85TH PERCENTILE SPEED (MPH) 65.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 93 60 MPH 51 65 MPH 15

TABLE 24

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE RURAL
 STATION NUMBER RI-17 LOCATION I-70 1.1 miles east of S.R. 9
 NUMBER OF SESSIONS 1 DATES 11-13-78 VEHICLES MEASURED 438
 AVERAGE SPEED (MPH) 58.4 STANDARD DEVIATION 4.3
 MEDIAN SPEED (MPH) 57.8 85TH PERCENTILE SPEED (MPH) 61.9
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 78 60 MPH 28 65 MPH 5

TABLE 25

SPED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE DIVIDED (RURAL)
 STATION NUMBER 41-17 LOCATION U.S. 52 150' east of C.R. 475 W., Tippecanoe Co.
 NUMBER OF SESSIONS 1 DATES 10-1-78 VEHICLES MEASURED 482
 AVERAGE SPEED (MPH) 56.5 STANDARD DEVIATION 5.7
 MEDIAN SPEED (MPH) 56.3 85TH PERCENTILE SPEED (MPH) 61.5
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 69 60 MPH 22 65 MPH 5

TABLE 26

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE DIVIDED (RURAL)
 STATION NUMBER 41-32 LOCATION U.S. 30 2.9 miles west of Wanatah City limit sign
 NUMBER OF SESSIONS 1 DATES 11-10-78 VEHICLES MEASURED 441
 AVERAGE SPEED (MPH) 59.0 STANDARD DEVIATION 5.1
 MEDIAN SPEED (MPH) 58.6 85TH PERCENTILE SPEED (MPH) 63.2
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 77 60 MPH 36 65 MPH 9

TABLE 27

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 44-4 LOCATION U.S. 41 .45 south of South sign of Youngstown
 NUMBER OF SESSIONS 11-7-78 VEHICLES MEASURED 439
 AVERAGE SPEED (MPH) 56.1 STANDARD DEVIATION 5.4
 MEDIAN SPEED (MPH) 55.9 85TH PERCENTILE SPEED (MPH) 61.0
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 57 60 MPH 21 65 MPH 3

TABLE 28

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 41-24 LOCATION U.S. 31-7.8 miles north of SR. 25

NUMBER OF SESSIONS 1 DATES 11-15-78 VEHICLES MEASURED 434

AVERAGE SPEED (MPH) 60.0 STANDARD DEVIATION 5.2

MEDIAN SPEED (MPH) 59.3 85TH PERCENTILE SPEED (MPH) 64.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 82 60 MPH 44 65 MPH 13

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE RURAL
 STATION NUMBER 21-18 LOCATION U.S. 35 2.5 miles east of 169
 NUMBER OF SESSIONS 1 DATES 10-2-78 VEHICLES MEASURED 583
 AVERAGE SPEED (MPH) 56.2 STANDARD DEVIATION 5.8
 MEDIAN SPEED (MPH) 56.5 85TH PERCENTILE SPEED (MPH) 61.2
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 62 60 MPH 21 65 MPH 4

TABLE 30

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY 1WO-LANE₂ RURAL

STATION NUMBER 21-54 LOCATION U.S. 231 1.1 miles south of S.R. 234

NUMBER OF SESSIONS 1 DATES 10-3-78 VEHICLES MEASURED 435

AVERAGE SPEED (MPH) 57.0 STANDARD DEVIATION 6.1

MEDIAN SPEED (MPH) 56.6 85TH PERCENTILE SPEED (MPH) 62.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 63.2 60 MPH 26.2 65 MPH 7.1

TABLE 31

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY IWO-LANE RURAL
 STATION NUMBER 21-11 LOCATION S.R. 59 1.5 miles south of I-70
 NUMBER OF SESSIONS 1 DATES 11-14-78 VEHICLES MEASURED 429
 AVERAGE SPEED (MPH) 57.1 STANDARD DEVIATION 6.3
 MEDIAN SPEED (MPH) 56.1 85TH PERCENTILE SPEED (MPH) 62.5
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 59 60 MPH 26 65 MPH 9

TABLE 32

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL
 STATION NUMBER 24-57 LOCATION S.R. 3 2.1 miles north of North Leg of S.R. 8
 NUMBER OF SESSIONS 1 DATES 11-16-78 VEHICLES MEASURED 436
 AVERAGE SPEED (MPH) 55.6 STANDARD DEVIATION 5.6
 MEDIAN SPEED (MPH) 55.4 85TH PERCENTILE SPEED (MPH) 60.4
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 54 60 MPH 17 65 MPH 3

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 11-20-78 VEHICLES MEASURED 436
 AVERAGE SPEED (MPH) 59.0 STANDARD DEVIATION 4.6
 MEDIAN SPEED (MPH) 58.3 85TH PERCENTILE SPEED (MPH) 62.4
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 80 60 MPH 32 65 MPH 9

TABLE 34

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN
 STATION NUMBER UI-5 LOCATION I-465 2.5 miles west of U.S. 31
 NUMBER OF SESSIONS 1 DATES 11-20-78 VEHICLES MEASURED 441
 AVERAGE SPEED (MPH) 58.8 STANDARD DEVIATION 4.5
 MEDIAN SPEED (MPH) 58.5 85TH PERCENTILE SPEED (MPH) 62.5
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 80 60 MPH 35 65 MPH 5

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