SCHOOL OF CIVIL ENGINEERING

JOINT HIGHWAY
RESEARCH PROJECT

IN/JHRP-79-22

TRAFFIC SPEED REPORT NO. 110

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PURDUE UNIVERSITY
INDIANA STATE HIGHWAY COMMISSION

TRAFFIC SPEED REPORT NO. 110

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

December 17th, 1979

File: 8-3-3

FROM: R. P. Guenther
Graduate Research Assistant
Joint Highway Research Project

Project: C-36-10C

The attached Progress Report No. 110 on Traffic Speeds is the report of the July-September, 1979 quarterly study of 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.

This is the second quarterly report which utilizes the interim collection and analysis procedures for speed monitoring which are required as a result of the Surface Transportation Act of 1978. Results for this quarter indicate a state wide average of 53.5 per cent of the vehicles traveling above the 55 mph speed limit. This is significantly below the value of 62.3 per cent recorded during the previous quarter. These figures are well within the limits of 70 per cent required for the year ending September 30th, 1979.

The overall results indicate that speeds on Indiana highways have been decreasing throughout this year. The average speeds recorded during this last quarter are the lowest since the advent of the 55 mph speed limit in 1974.

As the fourth quarter for the current speed year, this report includes analysis of data for the seven (7) primary control stations as well as the seven (7) secondary control stations and fourteen (14) random stations.

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 Research Assistant

RPG/mag

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Interim Report
TRAFFIC SPEED REPORT NO. 110

by

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Conducted by

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in Cooperation with the
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and the

U. S. Department of Transportation
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The opinions, findings and conclusions expressed in this publication
are those of the authors and not necessarily those of the Federal
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Purdue University
West Lafayette, Indiana
December 17th, 1979

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15. Supplementary Notes Conducted in cooperation with the U. S. Department of Transportation, Federal Highway Administration under a 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 July-September 1979 quarter. This is the second report which utilizes the analysis provided by the interim speed monitoring procedures which are required as a result of the Surface Transportation Act of 1978. Results indicate a statewide average of 53.5 per cent of the vehicles traveling above the 55 mph speed limit. This represents a significant drop from 62.3 per cent recorded during the last quarter. The overall free flow average speed of 56.7 mph represents a drop of 0.5 mph from the April-June 1979 quarter (Speed Report No. 109). Even more significant is the fact that this average speed is the lowest recorded since the implementation of the 55 mph speed limit in 1974.			
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TRAFFIC SPEED REPORT NO. 110

This report is the second which includes the reporting of the interim speed monitoring procedures which are required as a result of the Surface Transportation Act of 1978.

Included here is an analysis of spot speed observations made during July-September 1979. All observations were made of vehicles on level, tangent sections of rural and urban highways under favorable conditions. All observations were made during daylight except at three stations, one each on the three rural classifications. Observations of free flowing vehicles were made at all speed monitoring locations as has been done in the past. Additional data based on every nth vehicle were collected at specified locations to enable computation of those factors required by the interim speed monitoring procedures. This data collection procedure will be referred to as the "all vehicles" technique.

The speed monitoring stations for each highway classification are divided into three groups. The first group of seven (7) is identified as "primary control stations" and includes the same locations on selected Federal and State highways as used in each quarterly study. The second group of seven (7) is identified as "secondary control stations". This group includes stations which are sampled only during the fourth (July-September) quarter of each speed year. The third group of fourteen (14) were selected at random for this quarterly study. A total of twenty eight (28) speed monitoring stations were used for the study reported herein.

Stations were classified as two-lane, four-lane, rural interstate, or urban interstate highways. A representative sample of free-flow vehicles was taken at every station. A similar sample using the "all vehicles" technique was taken at two randomly selected stations for each highway classification. The site locations follow and are shown in Figure 1.

Rural Interstate Highways

* RI-6	(I-65)	7.5 miles north of junction of SR 160
* RI-21	(I-69)	1.6 miles south of junction of SR 18
** RI-12	(I-74)	0.1 miles west of mile marker 109
+** RI-34	(I-65)	1.3 miles north of SR 267
RI-3	(I-64)	1.7 miles west of SR 145
RI-4	(I-64)	4.7 miles west of Corydon RD. - SR 135
RI-11	(I-74)	15.7 miles east of SR 44
+ RI-35	(I-74)	1.0 miles east of SR 39

Four-Lane Highway

* 4L-17	(U. S. 52)	Just east of Co. Rd. 475 W., near Klondike
* 4L-32	(U. S. 30)	2.9 miles west of Wanatah city limit sign
** 4L-20	(U. S. 41)	1.1 miles north of SR 2
** 4L-21	(U. S. 31)	1.1 miles south of SR 38
4L-3	(U. S. 41)	1.7 miles south of SR 54 east
+ 4L-14	(U. S. 40)	0.9 miles east of Comberland city limit sign
+ 4L-22	(U. S. 31)	2.9 miles south of SR 26
4L-23	(U. S. 31)	0.75 miles north of SR 18

Two-Lane Highway

* 2L-18	(U. S. 35)	2.5 miles east of junction of I-69
* 2L-54	(U. S. 231)	1.1 miles south of junction of SR 234
** 2L-79	(SR 25)	0.7 miles south of Americas
** 2L-91	(SR 43)	2.0 miles south of Chalmers
2L-6	(SR 39)	1.65 miles south of SR 47
+ 2L-13	(SR 64)	2.05 miles east of SR 37
2L-66	(U. S. 35)	2.6 miles south of Winamac city limit sign
+ 2L-86	(U. S. 41)	5.25 miles north of west bank - Wabash river

Urban Interstate Highways

* UI-6	(I-65)	east of White River Bridge
** UI-1	(I-94)	1st bridge west of Burr Street interchange
+ UI-2	(I-65)	0.8 miles south of U. S. 30
+ UI-4	(I-465)	100 yds. south of 34th street bridge

* Primary Control Stations.

** Secondary Control Stations.

+ Stations at which data was collected using the "all vehicles" technique as well as using the free flow method.

The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5000 lbs. gross weight) or Heavy (equal to or more than 5000 lbs. gross weight) trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The speed limit at all stations is 55 miles per hour.

Sample Size

A minimum of 200 vehicles in each direction were recorded using the free flow technique at each station. At least 25 of these vehicles were required to be heavy trucks.

At the selected stations, an additional 200 vehicles in each direction were sampled using the "all vehicles" technique. For this technique, only speed data was recorded of each nth vehicle in the traffic stream. The traffic stream is all vehicles in one direction of movement if volume permits or by lane if high volumes require. If by lane, each lane was sampled for

FIGURE 1 LOCATIONS OF SPEED-STUDY STATIONS

15 minute periods and repeated until the sample required was obtained.

The value of n was 2 in all cases. If the n th vehicle speed could not be obtained, it was not recorded and the next n th vehicle was taken.

At stations where both sampling techniques were used, the two techniques were used interchangeably in 30 minute intervals until complete.

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 rear and side facing traffic 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 15 minutes. Such periods are becoming more common than they have been in previous reports. This problem is especially critical on interstate roads.

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 speed were necessary at these small angles. The accuracy of the meter was checked at the beginning of each data recording session, every time the sampling technique was changed, and at other times when deemed necessary.

During the process of the data collection, a television station did a filmed report describing the speed monitoring process. While care was made not to allow the outside of the van on television, detection of the vehicle was still made by passing motorists along rural interstate station RI-34. However, a comparison of the average speed and other statistics of this station with those of the other rural interstate stations showed no significant difference in the data.

Results of Analysis

The data collected were analyzed and are summarized in the Appendix. Tables A 1 through A 28 include the data for the free flow data on each individual station. Tables A 29 through A 32 summarize the free flow data by highway classification. Table A 33 is the summary for all highways. Tables A 34 through A 46 summarize the data taken using the "all vehicles" technique. Tables A 47 through A 84 present the same information in the FHWA format.

The results of the free flow data expressed by highway classification and vehicle type are as follows:

Table 1: Average Speeds (mph)

	<u>Interstate</u>		<u>Other</u> <u>Four Lane</u>	<u>Two Lane</u>	<u>All</u>
	<u>Urban</u>	<u>Rural</u>	<u>Rural</u>	<u>Rural</u>	
<u>Passenger Cars:</u>					
Indiana	56.7	58.5	56.1	55.8	56.6
Non-Indiana	56.9	59.0	55.9	56.0	57.5
All Passenger Cars	56.8	58.8	56.1	55.8	56.9
85 Percentile (all)	60.5	62.7	60.7	60.2	61.3
<u>Trucks:</u>					
Less than 5000 lbs.	56.6	58.0	55.1	54.4	55.8
5000 lbs. or more	56.4	59.1	56.3	55.3	56.9
<u>All Vehicles:</u>					
Average	56.7	58.7	56.0	55.4	56.7
85 Percentile	60.4	62.7	60.6	60.0	61.3

Table 2: Percent of Vehicles Exceeding 55 mph.

	<u>Interstate</u>		<u>Four Lane</u>	<u>Two Lane</u>	<u>All</u>
	<u>Urban</u>	<u>Rural</u>			
<u>Passenger Cars:</u>					
Indiana	62.7	75.1	55.7	49.6	58.7
Non-Indiana	65.5	80.5	53.0	51.7	67.9
All Passenger Cars	63.9	77.6	55.1	49.9	61.3
<u>Trucks:</u>					
Less than 5000 lbs.	57.5	68.6	49.2	41.1	52.1
5000 lbs. or more	56.5	79.7	58.9	51.8	63.0
<u>All Vehicles:</u>	60.9	76.7	54.8	48.3	60.0

Table 3: Percent of Vehicles Exceeding 60 mph.

	<u>Interstate</u>		<u>Other</u> <u>Four Lane</u>	<u>Two Lane</u>	<u>All</u>
	<u>Urban</u>	<u>Rural</u>	<u>Rural</u>	<u>Rural</u>	
<u>Passenger Cars:</u>					
Indiana	16.6	29.5	17.4	15.8	19.5
Non-Indiana	18.5	34.0	18.2	15.8	25.2
All Passenger Cars	17.5	31.5	17.6	15.8	21.1
<u>Trucks:</u>					
Less than 5000 lbs.	16.4	29.1	12.8	12.9	17.2
5000 lbs. or more	15.6	37.8	21.7	16.9	24.3
<u>All Vehicles:</u>	16.8	32.6	17.5	15.4	21.1

Table 4: Percent of Vehicles Exceeding 65 mph.

	<u>Interstate</u>		<u>Other</u> <u>Four Lane</u>	<u>Two Lane</u>	<u>All</u>
	<u>Urban</u>	<u>Rural</u>	<u>Rural</u>	<u>Rural</u>	
<u>Passenger Cars:</u>					
Indiana	3.9	7.0	3.2	4.7	4.7
Non-Indiana	2.6	7.8	4.4	3.3	5.5
All Passenger Cars	3.3	7.4	3.5	4.6	4.9
<u>Trucks:</u>					
Less than 5000 lbs.	3.9	5.8	2.6	2.8	3.6
5000 lbs. or more	1.3	7.6	5.3	3.0	4.7
<u>All Vehicles:</u>	2.9	7.2	3.7	3.9	4.6

The following shows a comparrrison of the average free flow speed results with those of the previous three quarters:

Table 5: Comparison of the Overall Speed Results

	<u>July-Sept.</u>	<u>April-June</u>	<u>Jan.-March</u>	<u>Oct.-Dec.</u>
	1979	1979	1979	1979
<u>Average</u>				
All Passenger Cars	56.9	57.4	58.3	58.8
Heavy Trucks	56.9	57.1	57.5	57.8
All Trucks	56.4	56.9	57.4	57.7
<u>85 Percentile</u>				
All Passenger Cars	61.3	61.6	63.1	63.2
Heavy Trucks	61.7	62.2	63.2	62.9
All Trucks	61.2	61.9	63.0	62.7
<u>15 Percentile</u>				
Heavy Trucks	51.2	51.4	51.1	51.6

Table 6: Average Speeds on Interstate Highways (URBAN)

	July-Sept.	April-June	Jan.-March	Oct.-Dec.
	1979	1979	1979	1979
<u>Passenger Cars:</u>				
Indiana	56.7	57.2	58.8	59.3
Non-Indiana	56.9	59.0	59.2	59.7
All Passenger Cars	56.8	57.5	58.8	59.3
85 Percentile (all)	60.5	61.5	62.6	62.9
<u>Trucks:</u>				
Less than 5000 lbs.	56.6	57.5	57.9	58.7
5000 lbs. or more	56.4	57.0	56.9	57.8

Table 7: Average Speeds On Interstate Highways (RURAL)

	July-Sept.	April-June	Jan.-March	Oct.-Dec.
	1979	1979	1979	1979
<u>Passenger Cars:</u>				
Indiana	58.5	59.6	60.4	60.8
Non-Indiana	59.0	59.2	60.4	60.6
All Passenger Cars	58.8	59.4	60.4	60.7
85 Percentile (all)	62.7	63.3	64.5	64.7
<u>Trucks:</u>				
Less than 5000 lbs.	58.0	58.1	59.1	59.4
5000 lbs. or more	59.1	59.5	60.4	59.9

Table 8: Average Speed On Other Four-Lane Highways

	July-Sept.	April-June	Jan.-March	Oct.-Dec.
	1979	1979	1979	1979
<u>Passenger Cars:</u>				
Indiana	56.1	56.3	56.8	57.8
Non-Indiana	55.9	56.7	58.1	59.5
All Passenger Cars	56.1	56.3	56.9	58.0
85 Percentile (all)	60.7	60.4	62.1	62.6
<u>Trucks:</u>				
Less than 5000 lbs.	55.2	55.6	56.4	56.9
5000 lbs. or more	56.3	56.1	56.2	58.3

Table 9: Average Speeds on Two-Lane Highways

	July-Sept.	April-June	Jan.-March	Oct.-Dec.
	1979	1979	1979	1979
<u>Passenger Cars:</u>				
Indiana	55.8	56.4	57.3	57.3
Non-Indiana	56.0	56.4	58.8	58.3
All Passenger Cars	55.8	56.4	57.4	57.4
85 Percentile (all)	60.2	61.0	62.8	62.0
<u>Trucks:</u>				
Less than 5000 lbs.	54.4	55.7	56.8	56.6
5000 lbs. or more	55.3	55.2	55.3	54.9

Analysis of Data from "All Traffic" Collection Technique

Conversion factors for allowing free-flow data to represent all traffic were done as prescribed in the FHWA document "Interim Speed Monitoring Procedures." These conversion factors were found by dividing a given statistic for all vehicles by the same statistic for free-flow. This was done by highway classification for, percent vehicles exceeding 55 mph, average speed, median speed, 85th percentile speed, percent exceeding 60 mph, and percent exceeding 65 mph. These factors are shown in Table 10.

The computation for the weighted statewide compliance level (Percent vehicles exceeding 55 mph) is shown in Table 11. Computation of statewide averages for the other statistics was done using the same technique and weighting factors. These averages were as follows:

Average Speed:	55.8
Median Speed:	55.2
85 Percentile:	60.5
Percent exceeding 60 mph:	19.2
Percent exceeding 65 mph:	3.8

These figures are all lower than the corresponding statistics for the previous quarter. The most notable values were to percent exceeding 55 mph, which dropped by 8.8 percentage points, and average speed dropped by 1.1 mph. Table 12 shows that both of these values are the lowest of any quarter during the past 3 1/2 years.

Table 10: Factors for Converting "Free-Flow" Data to Represent All Traffic

Highway Type	Statistic	Percent Exceeding 55 mph	Average Speed	Median Speed	85th Percentile Speed	Percent Exceeding 60 mph	Percent Exceeding 65 mph
Interstate, Urban		.96	.99	1.00	1.00	1.01	.41
Interstate, Rural		1.05	1.00	1.00	1.01	1.06	1.11
4-Lane		.87	.99	.99	1.00	.92	.78
2-Lane, Rural		.78	.97	.97	.98	.79	.66

Table 11: Calculation of Weighted Statewide Compliance Level

Highway Type	Weighting Factor*	Percent Exceeding 55 mph - All Vehicles	(1) x (2)
	(1)	(2)	(3)
Interstate, Urban	.165	58.2	9.6
Interstate, Rural	.251	80.3	20.2
4-Lane	.170	47.9	8.1
2-Lane	.414	37.7	15.6
Statewide Weighted Percent Exceeding 55 mph			53.5

* Values from: FHWA, "Interim Speed Monitoring Procedures", Table 1.

Table 12: Statewide Weighted Averages from Past Reports

<u>Report No.</u>	<u>Date</u>	<u>Statewide Weighted Percent Vehicles Exceeding 55 mph</u>	<u>Statewide Weighted Average Speed</u>
110	July-September 1979	53.5	55.8
109	April-June 1979	62.3	56.9
108	January-March 1979	66.5	57.7
107	October-December 1978	68.9	57.9
106	July-September 1978	61.5	56.8
105	April-June 1978	66.0	57.6
104	January-March 1978	67.9	58.0
103	October-December 1977	69.9	58.3
102	July-September 1977	61.9	56.9
101	April-June 1977	65.8	57.6
100	January-March 1977	60.2	56.8
99	October-December 1976	59.1	56.7
98	July-September 1976	63.7	57.2
97	April-June 1976	57.1	56.2

Conclusions

The overall results indicate that the vehicle speeds on Indiana highways have been significantly lower during this quarter than they have been in the past. All the speed statistics were lower during this quarter than any of the most recent three quarters.

The average free flow speed of 56.7 mph represents a drop of 0.5 mph from the previous quarter. This value is 1.3 mph lower than during the January-March 1979 quarter and 1.6 mph lower than during the October-December 1978 quarter.

These changes were fairly uniform by both vehicle type and highway type. In addition, speeds were very similar for various vehicle types. The overall average speeds for passenger cars and heavy trucks are the same, while the average for light trucks is only 0.9 mph less. This consistency of speeds is uniform over the various highway classifications.

A comparison was made between the factors to convert "free-flow" data to represent all traffic with the same conversion factors determined during the last quarter. No pattern was found other than the observation that most of these factors are still very close to 1.0 inferring that most traffic in Indiana is free flow.

The statewide compliance level of 53.5 mph is the lowest in the last three years. This value is well below the required yearly average at the end of September 30th, 1979. In addition, it is only slightly above the 50% compliance level required by September 30th, 1981.

While the reasons can only be speculative, the statistics indicate that highway speeds in Indiana have decreased during this past year.

APPENDIX

TABLE A1 SPEED DATA

STATION	RI-6	HIGHWAY	I-65	LOCATION	7.5 miles north of SR 160
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NO	CF LINES	4	TYPE CF SURFACE	Blacktop	WEATHER	Sunny

THIS OBSERVATION	LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 109)
1	1
2	2
3	3
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5	5
6	6
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100	100

DATE 8-16-79
TIME 9:47-10:30 a.m. NB
8:33-9:30 a.m. SB

TRUCKS	ALL	PASSENGER CARS	INDIANA	NON-INDIANA	ALL	TRUCKS
<5000	PRES-	PRES-	PRES-	PRES-	PRES-	<5000

CPSERVATION	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	242	250	184	95	58	58	173	68
AVERAGE SPEED (MPH)	60.6	59.17	60.8	58.7	59.8	58.25	58.10	58.10
STANDARD DEVIATION	7.08	4.35	7.89	3.9	4.9	4.66	4.62	4.62

[illegible][illegible]

VEHICLES	12.8	6.5	12.5	8.0	15.0	15.8	22.5	17.0
TRAVELING	45.5	56.8	43.5	51.7	51.9	58.6	60.1	63.2
AT CR	79.3	91.8	77.2	86.2	87.7	87.3	91.9	86.8
PER HOUR	05.5	08.7	07.4	09.7	08.7	00.7	08.8	10.0

[illegible][illegible]

AVERAGE SPEED	60.80	58.66	61.20	58.54	59.80	58.71	59.10	58.61	59.20
DIRECTION	SB	SB	SB	SB	SB	SB	SB	SB	SB
NUMBER OF VEHICLES	122	129	102	59	20	70	89	83	34

AVERAGE SPEED
60.49
59.65
60.51
58.88
59.80
60.30
58.60
57.86
57.19

TABLE A2 SPEED DATA

STATION RI-21 HIGHWAY I-69 LCCATION 1.6 miles south of SR 18

NO. OF LANES	TYPE OF SURFACE	Blacktop
4		

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THIS CBSEATION
DATE 8-22-79
TIME 1:12-2:04 p.m. NB
      2:16-3:05 p.m. SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 109)
DATE 5-22-79
TIME 10:40-11:19 a.m. NB
      11:40 a.m.-12:28 p.m. SB

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OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-
NUMBER OF VEHICLES	271	276		169	189		155	158		31	124	
AVERAGE SPEED (MPH)	59.50	58.82		59.20	59.02		59.10	58.75		58.40	59.20	
STANDARD DEVIATION	4.09	4.48		4.05	4.24		5.10	5.19		4.47	5.26	
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	4		0	5		0	6		0	0	
54 MPH	8.9	15.2		8.3	14.3		4.5	5.7		0	5.6	
59 MPH	56.8	61.2		59.8	61.9		52.3	55.1		67.7	68.4	
64 MPH	87.5	91.3		88.2	89.4		87.1	87.3		87.1	87.1	
69 MPH	97.8	97.5		97.6	96.8		99.4	99.4		100.0	99.2	
74 MPH	99.6	99.3		100.0	98.9		99.4	100.0		100.0	99.2	
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	NB											
NUMBER OF VEHICLES	139	133		87	91		74	86		9	65	
AVERAGE SPEED	60.10	59.82		60.10	59.87		60.40	60.45		58.0	61.70	
DIRECTION	SB											
NUMBER OF VEHICLES	132	143		82	98		81	72		22	59	
AVERAGE SPEED	58.80	57.88		58.40	58.23		57.80	56.72		58.50	57.60	

TABLE A3 SPEED DATA

STATION RI-12 HIGHWAY I-74 LOCATION 0.1 miles west of Mile Marker 109

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Fog

THIS OBSERVATION DATE 8-29-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

DATE 9:30-10:51 p.m. EB TIME 11:08-12:24 EB

DATE 8:00-9:30 p.m. WB TIME 12:30-1:30 WB

	OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
		LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-
NUMBER OF VEHICLES	223	158	276		115	0		158	167		116	51	
AVE. SPEED (MPH)	52.36	57.71	57.71		60.20	0		58.80	59.06		58.90	58.33	
STANDARD DEVIATION	4.986	4.988	4.391		4.882	0		4.536	4.519		4.357	4.198	
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	1.8	2.9	2.9		1.7	0		3.8	2.4		2.6	2.7	
54 MPH	13.9	22.5	22.5		8.7	0		15.8	12.6		15.5	12.7	
59 MPH	54.6	67.0	67.0		46.1	0		52.5	51.5		49.1	58.8	
64 MPH	84.6	95.3	95.3		82.6	0		92.4	88.6		94.0	94.1	
69 MPH	96.3	98.6	98.6		96.5	0		100.0	98.8		100.0	98.0	
74 MPH	99.3	100.0	100.0		99.1	0		100.0	100.0		100.0	100.0	
79 MPH	100.0	100.0	100.0		100.0	0		100.0	100.0		100.0	100.0	
84 MPH	100.0	100.0	100.0		100.0	0		100.0	100.0		100.0	100.0	
89 MPH	100.0	100.0	100.0		100.0	0		100.0	100.0		100.0	100.0	
DIRECTION	WB												
NUMBER OF VEHICLES	134	82	122		52	0		82	104		62	23	
AVERAGE SPEED	59.80	59.70	57.57		60.00	0		59.20	59.02		59.50	58.26	
DIRECTION	WB												
NUMBER OF VEHICLES	139	76	154		63	0		76	62		54	28	
AVERAGE SPEED	58.90	57.82	57.82		60.30	0		58.30	59.13		58.20	58.30	

TABLE A5 SPEED DATA

STATION RI-C3 HIGHWAY I-64 LOCATION 1.7 miles west of SR 145
 NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER Cloudy
 THIS OBSERVATION
 DATE 8-15-79
 TIME 8:43-9:45 a.m. EB
 9:58-11:25 a.m. WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE
 TIME

	PASSENGER CARS				TRUCKS			
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS	5000-10000 LBS	>10000 LBS	PRES-
OBSERVATION	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI
NUMBER OF VEHICLES	0	262	0	84	0	164	0	63
AVERAGE SPEED (MPH)	0	59.82	0	60.04	0	60.09	0	58.48
STANDARD DEVIATION	0	5.229	0	5.029	0	5.135	0	4.461
PERCENT	0	0	0	0	0	0	0	0
OF	0	0	0	0	0	0	0	0
VEHICLES	0	0	0	0	0	0	0	0
TRAVELING	0	0	0	0	0	0	0	0
AT OR	0	1.5	0	2.4	0	1.2	0	0
LESS THAN	0	14.1	0	9.5	0	9.8	0	12.7
	0	51.1	0	51.2	0	49.4	0	66.7
	0	82.8	0	83.3	0	79.9	0	88.9
	0	95.0	0	96.4	0	95.7	0	98.4
	0	98.5	0	98.8	0	99.4	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	0	100.0	0	100.0
DIRECTION	EB	127	0	49	0	84	0	29
NUMBER OF VEHICLES	0	59.72	0	59.59	0	60.52	0	59.10
AVERAGE SPEED	0	135	0	35	0	80	0	34
DIRECTION	WB	59.91	0	60.66	0	59.64	0	57.94
NUMBER OF VEHICLES	0	59.91	0	60.66	0	59.64	0	57.94
AVERAGE SPEED	0	59.91	0	60.66	0	59.64	0	57.94

TABLE A6 SPEED DATA

STATION RI-04 HIGHWAY I-64 LOCATION 4.7 miles west of Corydon Rd.-SR 135

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Clear

THIS OBSERVATION
 DATE 8-15-79
 TIME 1:03-2:06 p.m. EB
 3:04-4:03 p.m. WB
 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

										PASSENGER CARS										TRUCKS																
										ALL					NON-INDIANA					ALL					<5000 LBS					>5000 LBS						
										PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-						
										ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST					
										272	0	84	0	193	0	49	0	60	0	49	0	60	0	60	0	60	0	60	0	82	0	82	0	82		
NUMBER OF VEHICLES										58.91	0	58.54	0	59.07	0	57.93	0	58.43	0	57.93	0	58.43	0	58.43	0	58.43	0	57.60	0	57.60	0	57.60	0	57.60		
AVE. SPEED (MPH)										4.811	0	4.997	0	4.731	0	5.836	0	5.030	0	5.836	0	5.030	0	5.030	0	5.030	0	6.328	0	6.328	0	6.328	0	6.328		
STANDARD DEVIATION										24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PERCENT										29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OF										34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
VEHICLES										39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TRAVELING										44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT OR										49 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LESS THAN										54 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
										59 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
										64 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
										69 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
										74 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
										79 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
										84 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
										89 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIRECTION EB										136	0	36	0	100	0	77	0	30	0	77	0	30	0	30	0	30	0	47	0	47	0	47	0	47		
NUMBER OF VEHICLES										59.07	0	59.89	0	58.78	0	57.19	0	59.37	0	57.19	0	59.37	0	59.37	0	59.37	0	56.00	0	56.00	0	56.00	0	56.00		
AVERAGE SPEED										141	0	48	0	93	0	72	0	30	0	72	0	30	0	30	0	30	0	42	0	42	0	42				
DIRECTION WB										58.74	0	57.52	0	59.38	0	58.72	0	57.80	0	58.72	0	57.80	0	57.80	0	57.80	0	59.38	0	59.38	0	59.38	0	59.38		
NUMBER OF VEHICLES										58.74	0	57.52	0	59.38	0	58.72	0	57.80	0	58.72	0	57.80	0	57.80	0	57.80	0	59.38	0	59.38	0	59.38	0	59.38	0	59.38
AVERAGE SPEED										58.74	0	57.52	0	59.38	0	58.72	0	57.80	0	58.72	0	57.80	0	57.80	0	57.80	0	59.38	0	59.38	0	59.38	0	59.38		

TABLE A7 SPEED DATA

STATION RI-11 HIGHWAY I-74 LOCATION 15.7 miles east of SR 44NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER HazyTHIS OBSERVATION DATE 8-27-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)TIME 11:22 a.m.-2:33 p.m. EB
TIME 2:37-3:50 p.m. WB

										PASSENGER CARS										TRUCKS									
										ALL					NON-INDIANA					ALL					<5000 LBS.				
										PRES-					PRES-					PRES-					PRES-				
										LASI	ENI	LASI	ENI	LASI	LASI	ENI	LASI	ENI	LASI	LASI	ENI	LASI	ENI	LASI	LASI	ENI	LASI	ENI	LASI
OBSERVATION										INDIANA										PRES-									
NUMBER OF VEHICLES										C	252	C	143	C	109	C	182	C	72	C	110	C	58	C	110	C	110	C	110
AVE. SPEED (MPH)										C	58.42	C	58.29	C	58.58	C	58.11	C	58.01	C	58.17	C	58.01	C	58.17	C	58.17	C	58.17
STANDARD DEVIATION										C	4.256	C	4.282	C	4.237	C	4.045	C	4.144	C	3.997	C	4.144	C	3.997	C	3.997	C	3.997
PERCENT										C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0
OF										C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0
VEHICLES										C	18.7	C	12.6	C	17.4	C	18.7	C	20.8	C	17.3	C	20.8	C	17.3	C	17.3	C	17.3
TRAVELING										C	61.1	C	61.5	C	60.6	C	63.7	C	68.1	C	60.9	C	68.1	C	60.9	C	60.9	C	60.9
AT OR										C	21.7	C	20.9	C	22.7	C	24.0	C	27.1	C	24.5	C	27.1	C	24.5	C	24.5	C	24.5
LESS THAN										C	22.2	C	22.3	C	22.1	C	22.5	C	28.6	C	24.5	C	28.6	C	24.5	C	24.5	C	24.5
										C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0
										C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0
										C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0	C	100.0
DIRECTION - EB										C	121	C	75	C	46	C	91	C	25	C	66	C	25	C	66	C	66	C	66
NUMBER OF VEHICLES										C	57.96	C	58.03	C	57.85	C	56.97	C	56.84	C	57.02	C	56.84	C	57.02	C	57.02	C	57.02
AVERAGE SPEED										C	131	C	68	C	63	C	91	C	47	C	44	C	47	C	44	C	44	C	44
DIRECTION - WB										C	58.84	C	58.59	C	59.11	C	59.25	C	58.64	C	59.91	C	58.64	C	59.91	C	59.91	C	59.91
NUMBER OF VEHICLES										C	131	C	68	C	63	C	91	C	47	C	44	C	47	C	44	C	44	C	44
AVERAGE SPEED										C	58.84	C	58.59	C	59.11	C	59.25	C	58.64	C	59.91	C	58.64	C	59.91	C	59.91	C	59.91

TABLE A9 SPEED DATA

STATION 4L-17 HIGHWAY US 52 LOCATION 150 feet East County Road 475WNO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER HazyTHIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 109)DATE 8-2-79DATE 5-14-79TIME 10:11-11:30 a.m. EBTIME 9:17-10:45 a.m. EBTIME 12:11-1:32 p.m. WBTIME 1:20-2:48 p.m. WB

PASSENGER CARS										TRUCKS									
INDIANA										ALL									
PRES-					PRES-					PRES-					PRES-				
OBSERVATION	LAST	ENT	LAST	ENT	OBSERVATION	LAST	ENT	LAST	ENT	OBSERVATION	LAST	ENT	LAST	ENT	OBSERVATION	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	272	305	242	264	272	242	264	272	41	150	148	95	84	95	272	242	264	272	95
AVE. SPEED (MPH)	56.1	55.16	56.0	55.38	57.00	56.0	55.38	57.00	53.73	54.50	55.24	55.12	54.40	55.12	56.1	55.16	56.0	56.1	55.12
STANDARD DEVIATION	5.409	5.413	5.414	5.378	5.367	5.414	5.378	5.367	5.486	6.471	6.279	5.939	5.324	5.939	5.409	5.413	5.414	5.409	5.486
24 MPH	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
34 MPH	0	3	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	3	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	1.2	3.3	1.6	2.7	1.1	1.6	2.7	1.1	7.3	3.0	4.1	2.1	1.2	2.1	1.2	1.6	2.7	1.1	7.3
49 MPH	13.2	15.4	13.5	14.4	11.1	13.5	14.4	11.1	22.0	15.3	11.5	10.5	17.9	10.5	13.2	15.4	13.5	14.4	22.0
54 MPH	35.3	39.7	36.7	38.3	22.2	36.7	38.3	22.2	48.8	45.3	43.2	45.3	41.7	45.3	35.3	35.3	36.7	41.7	48.8
59 MPH	74.7	83.0	75.1	81.8	66.7	75.1	81.8	66.7	90.2	81.3	81.8	86.2	86.2	86.2	74.7	74.7	75.1	81.8	90.2
64 MPH	96.7	95.7	96.7	95.5	96.3	96.7	95.5	96.3	97.6	96.7	92.6	93.7	97.6	93.7	96.7	96.7	95.5	97.6	97.6
69 MPH	99.3	99.3	99.3	99.3	100.0	99.3	99.3	100.0	100.0	99.3	98.3	96.8	100.0	96.8	99.3	99.3	95.5	99.3	99.3
74 MPH	99.3	100.0	99.3	100.0	100.0	99.3	100.0	100.0	100.0	100.0	99.3	98.3	100.0	98.3	100.0	100.0	100.0	100.0	100.0
79 MPH	99.3	100.0	99.3	100.0	100.0	99.3	100.0	100.0	100.0	100.0	99.3	98.3	100.0	98.3	100.0	100.0	100.0	100.0	100.0
84 MPH	99.3	100.0	99.3	100.0	100.0	99.3	100.0	100.0	100.0	100.0	99.3	98.3	100.0	98.3	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB																		
NUMBER OF VEHICLES	132	154	123	130	12	123	130	12	24	76	76	42	42	42	132	123	130	12	24
AVERAGE SPEED	56.8	55.71	56.9	56.02	56.30	56.8	56.02	56.30	54.08	54.80	55.78	55.67	54.80	55.67	56.8	55.71	56.02	54.08	54.80
DIRECTION	WB																		
NUMBER OF VEHICLES	137	151	122	134	15	122	134	15	17	74	72	46	42	46	137	151	122	134	17
AVERAGE SPEED	55.40	54.60	55.10	54.77	57.70	55.40	54.77	57.70	53.24	54.20	54.67	54.52	54.00	54.52	55.40	54.60	55.10	54.77	54.20

TABLE ALO SPEED DATA

STATION 4L-32 HIGHWAY US 30 LOCATION 2.9 miles west of Wanatah City Limit Sign

NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER Cloudy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.109)

DATE 8-17-79 DATE 5-17-79
 TIME 11:39 a.m.-12:31 p.m. EB TIME 1:57-3:05 p.m. EB
 10:37-11:30 a.m. WB 10:53 a.m.-12:15 p.m. WB

PASSENGER CARS										TRUCKS									
INDIANA					NON-INDIANA					ALL					<5000 LBS.				
PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI
24 MPH	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
34 MPH	0	0	0	0	0	0	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	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIRECTION EB																			
NUMBER OF VEHICLES	105	127	81	73	24	54	54	174	25	87	25	31	79	56	56	56	56	56	56
AVERAGE SPEED	56.90	58.13	56.90	56.99	57.00	59.69	59.69	57.20	57.91	57.20	57.26	57.26	57.20	58.27	58.27	58.27	58.27	58.27	58.27
DIRECTION WB																			
NUMBER OF VEHICLES	111	118	80	77	30	41	41	116	18	100	18	44	98	56	56	56	56	56	56
AVERAGE SPEED	58.00	57.92	57.70	57.92	58.70	57.93	57.93	56.20	56.14	56.70	55.53	55.53	56.10	56.30	56.30	56.30	56.30	56.30	56.30

TABLE ALL SPEED DATA

STATION 4L-20 HIGHWAY US 41 LOCATION 1.1 miles north of SR 2

NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER Hazy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

DATE 9-5-79

TIME 10:30 a.m.-12:22 p.m. NB

DATE 8-3-78

TIME 10:07-11:21 a.m. NB

TIME 12:26-1:33 p.m. SB

	PASSENGER CARS			TRUCKS		
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS	>5000 LBS
OBSERVATION	LAST	ENT	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	266	231	188	128	174	195
AVE. SPEED (MPH)	56.7	56.59	56.31	56.63	53.50	55.92
STANDARD DEVIATION	6.232	5.106	6.319	5.216	6.339	6.658
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	1.5	0	0	0	6	1.5
44 MPH	3.4	0	1.1	0	2.3	3.1
49 MPH	9.8	6.1	11.7	6.3	6.2	2.6
54 MPH	35.0	38.1	38.3	37.5	23.6	11.8
59 MPH	69.2	74.5	70.7	76.6	55.2	40.5
64 MPH	90.6	91.3	91.0	91.4	82.2	73.3
69 MPH	97.4	99.1	98.4	99.2	96.0	89.7
74 MPH	100.0	100.0	100.0	100.0	100.0	99.5
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	NB					
NUMBER OF VEHICLES	138	120	100	61	92	93
AVERAGE SPEED	57.20	55.27	56.70	55.10	52.60	52.80
DIRECTION	SB					
NUMBER OF VEHICLES	128	111	88	67	82	102
AVERAGE SPEED	56.20	58.02	55.80	58.23	54.60	58.76

TABLE A12 SPEED DATA

STATION 44-21 HIGHWAY US 31 LOCATION 1.1 miles south of SR 38

NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER Hazy

THIS OBSERVATION DATE 8-10-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

DATE 11-02-11:52 a.m. NB TIME 11:02-11:52 a.m. NB

DATE 10-26-10:59 a.m. SB TIME 10:26-10:59 a.m. SB

PASSENGER CARS										TRUCKS									
INDIANA										ALL									
PRES-					PRES-					PRES-					PRES-				
LAST	ENT	LAST	ENT	LAST	LAST	ENT	LAST	ENT	LAST	LAST	ENT	LAST	ENT	LAST	LAST	ENT	LAST	ENT	LAST
290	228	290	281	0	17	125	140	125	67	55	55	67	55	73	55	73	55	73	55
58 MPH	58 MPH	58 MPH	56 MPH	0	56 MPH	55 MPH	56 MPH	55 MPH	57 MPH	55 MPH	55 MPH	57 MPH	55 MPH	56 MPH	55 MPH	55 MPH	56 MPH	55 MPH	56 MPH
4.377	4.379	4.377	4.435	0	3.419	4.721	5.457	4.721	5.120	4.058	4.058	5.778	4.058	5.778	5.197	5.197	5.197	5.197	5.197
24 MPH	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
34 MPH	0	0	0	0	0	0	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	0	0	0	0	0	0
44 MPH	1	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0
49 MPH	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 MPH	29	5	29	0	23	33	27	33	25	8	5	25	8	30	28	5	28	5	28
59 MPH	67	2	67	2	88	79	69	79	73	4	4	73	4	65	75	2	65	75	2
64 MPH	91	4	91	4	94	98	92	98	91	2	2	91	2	94	98	6	94	98	6
69 MPH	99	3	99	3	100	99	99	99	100	0	0	100	0	98	98	6	98	98	6
74 MPH	100	0	100	0	100	100	100	100	100	0	0	100	0	100	100	0	100	100	0
79 MPH	100	0	100	0	100	100	100	100	100	0	0	100	0	100	100	0	100	100	0
84 MPH	100	0	100	0	100	100	100	100	100	0	0	100	0	100	100	0	100	100	0
89 MPH	100	0	100	0	100	100	100	100	100	0	0	100	0	100	100	0	100	100	0
NB										SB									
DIRECTION	138	147	138	141	0	6	72	67	34	35	35	34	35	38	42	35	38	42	35
NUMBER OF VEHICLES	58	50	58	56	0	56	57	55	57	55	55	57	55	57	55	55	57	55	55
AVERAGE SPEED	57	60	57	56	0	56	56	56	56	56	56	56	56	56	56	56	56	56	56
DIRECTION	152	151	152	140	0	11	68	58	33	30	30	33	30	35	28	30	35	28	30
NUMBER OF VEHICLES	57	48	57	56	0	56	57	56	56	56	56	56	56	56	56	56	56	56	56
AVERAGE SPEED	57	60	57	56	0	56	56	56	56	56	56	56	56	56	56	56	56	56	56

TABLE A13 SPEED DATA

STATION 41-3 HIGHWAY US 41 LOCATION 1.7 miles south of SR 54 East
 NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Partly Cloudy
 THIS OBSERVATION
 DATE 8-13-79
 TIME 1:20-2:25 p.m. NB
 11:50 a.m.-1:03 p.m. SB

OBSERVATION		PASSENGER CARS		NON-INDIANA		ALL		TRUCKS	
		ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI
		PRES-		PRES-		PRES-		PRES-	
NUMBER OF VEHICLES		256	0	182	0	74	0	171	0
AVERAGE SPEED (MPH)		57.12	0	57.09	0	56.33	0	55.82	0
STANDARD DEVIATION		4.536	0	4.463	0	4.743	0	5.773	0
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		4.33	0	5.33	0	1.4	0	2.92	0
54 MPH		25.44	0	25.33	0	25.7	0	33.3	0
59 MPH		73.4	0	73.6	0	73.0	0	71.2	0
64 MPH		93.8	0	94.1	0	93.2	0	94.6	0
69 MPH		98.6	0	100.0	0	98.6	0	99.4	0
74 MPH		100.0	0	100.0	0	100.0	0	100.0	0
79 MPH		100.0	0	100.0	0	100.0	0	100.0	0
84 MPH		100.0	0	100.0	0	100.0	0	100.0	0
89 MPH		100.0	0	100.0	0	100.0	0	100.0	0
DIRECTION NB									
NUMBER OF VEHICLES		127	0	95	0	32	0	85	0
AVERAGE SPEED		57.51	0	57.47	0	57.63	0	55.67	0
DIRECTION SB									
NUMBER OF VEHICLES		129	0	87	0	42	0	86	0
AVERAGE SPEED		56.74	0	56.67	0	56.88	0	56.98	0

TABLE A14 SPEED DATA

STATION 44-14 HIGHWAY US 40 LOCATION 0.9 miles east of Cumberland City Limit Sign

NO.	CF LANE	TYPE	CF SURFACE	Blacktop	WEATHER	Sunny, Hazy
	4					

THIS OBSERVATION	LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
1	1
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4	4
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90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

DATE	9-11-79,	9-12-79
TIME	10:30 a.m.	1:15 p.m.
	10:35-11:54 a.m.	WB

	ALL	PASSENGER CARS	NON-INDIANA	INDIANA	PRES-	ALL	PRES-	TRUCKS	<5000 LBS	>5000 LBS	PRES-
CONSERVATION	LASI	ENI	LASI	ENI	LASI	ENI	LASI	LASI	ENI	LASI	ENI
NUMBER OF VEHICLES	320	177	0	143	0	139	0	0	88	0	51
AVERAGE SPEED (MPH)	52.81	52.91	0	52.69	0	52.43	0	0	53.35	0	51.22
STANDARD DEVIATION	5.678	5.043	0	5.136	0	5.301	0	0	5.136	0	5.333
24 MPH	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	1	0	0	0	0	0	0	0	0	0
44 MPH	0	6	0	4	0	7	0	0	0	0	0
49 MPH	0	20	0	27	0	30	0	0	26	0	37
54 MPH	0	61	0	62	0	61	0	0	56	0	70
59 MPH	0	82	0	80	0	80	0	0	85	0	92
64 MPH	0	100	0	100	0	99	0	0	98	0	100
69 MPH	0	100	0	100	0	100	0	0	100	0	100
74 MPH	0	100	0	100	0	100	0	0	100	0	100
79 MPH	0	100	0	100	0	100	0	0	100	0	100
84 MPH	0	100	0	100	0	100	0	0	100	0	100
89 MPH	0	100	0	100	0	100	0	0	100	0	100
DIRECTION	FB										
NUMBER OF VEHICLES	161	65	0	96	0	82	0	0	57	0	25
AVERAGE SPEED	52.62	53.32	0	52.15	0	53.00	0	0	53.70	0	51.40
DIRECTION	WB										
NUMBER OF VEHICLES	152	112	0	47	0	57	0	0	31	0	26
AVERAGE SPEED	53.01	52.67	0	53.81	0	51.61	0	0	52.42	0	50.65

TABLE A16 SPEED DATA

STATION	HIGHWAY	US 31	LOCATION	0.75 miles north of SR 18
44-23				

NO. OF LANES	TYPE OF SURFACE	WEATHER
4	Blacktop	Hazy

THIS OBSERVATION	LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
1	1
2	2
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95	95
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97	97
98	98
99	99
100	100

DATE 8-9-79
TIME 8:25-9:20 P.M. NB

9:25-10:41 p.m. SB

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-
OBSERVATION												
NUMBER OF VEHICLES	0	305		0	0		0	150		0	73	
AVE. SPEED (MPH)	0	24.24		0	0		0	24.25		0	27	
STANDARD DEVIATION	0	4.234		0	0		0	4.644		0	4.783	
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	3		0	0		0	7		0	0	
44 MPH	0	26		0	0		0	27		0	0	
49 MPH	0	118		0	0		0	127		0	0	
54 MPH	0	443		0	0		0	420		0	0	
59 MPH	0	842		0	0		0	867		0	0	
64 MPH	0	984		0	0		0	977		0	0	
69 MPH	0	923		0	0		0	1000		0	0	
74 MPH	0	1000		0	0		0	1000		0	0	
79 MPH	0	1000		0	0		0	1000		0	0	
84 MPH	0	1000		0	0		0	1000		0	0	
89 MPH	0	1000		0	0		0	1000		0	0	
DIRECTION NB												
NUMBER OF VEHICLES	0	181		0	0		0	63		0	38	
AVERAGE SPEED	0	55.18		0	0		0	56.40		0	55.00	
DIRECTION SB												
NUMBER OF VEHICLES	0	124		0	0		0	87		0	35	
AVERAGE SPEED	0	54.60		0	0		0	53.20		0	52.33	

TABLE A17 SPEED DATA

STATION 24-18 HIGHWAY US 35 LOCATION About 300 yds. west of reg. location which is 2.5 mi. east of I-64. Cleo Glass Residence.

NO. OF LANES 2 TYPE OF SURFACE Blacktop WEATHER Cloudy

THIS OBSERVATION

DATE 8-22-79

TIME 10:33 a.m.-12:36 p.m.

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 109)

DATE 5-22-79

TIME 1:35-3:06 p.m.

PASSENGER CARS										TRUCKS									
INDIANA										<5000 LBS									
PRES-										PRES-									
ENI										ENI									
LAST										LAST									
218										57									
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TABLE A18 SPEED DATA

STATION 2L-54 HIGHWAY US 231 LOCATION 1.1 miles south of SR 234

NO. OF LANES 2 TYPE OF SURFACE Blacktop WEATHER Partly Cloudy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 109)

DATE 9-6-79 9-7-79

TIME 7:51 p.m. 1:40 a.m.

TIME 9:52 a.m. 3:15 p.m.

										PASSENGER CARS										TRUCKS									
										ALL					NON-INDIANA					ALL					<5000 LBS				
										PRES-		PRES-		ENI	PRES-		ENI	PRES-		ENI	PRES-		ENI	PRES-		ENI	PRES-		ENI
										LASI	ENI	LASI	ENI		LASI	ENI		LASI	ENI		LASI	ENI		LASI	ENI		LASI	ENI	
OBSERVATION										245	282	231	282	14	126	153	89	89	71	127	82	71	127	82	71	127	82	71	127
NUMBER OF VEHICLES										245	282	231	282	14	126	153	89	89	71	127	82	71	127	82	71	127	82	71	127
AVE. SPEED (MPH)										57.00	56.19	57.00	56.19	57.40	56.20	55.78	56.10	56.10	54.14	56.40	57.21	54.14	56.40	57.21	54.14	56.40	57.21	54.14	56.40
STANDARD DEVIATION										5.451	5.844	5.411	5.844	6.283	5.835	5.604	6.198	6.198	5.775	5.541	5.69	5.775	5.541	5.69	5.775	5.541	5.69	5.775	5.541
24 MPH										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
34 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH										4	4	4	4	0	5	7	11	11	14	7	11	0	14	7	11	0	14	7	11
44 MPH										14	17	17	17	0	36	20	22	22	23	20	27	0	23	20	27	0	23	20	27
49 MPH										69	71	69	71	11	107	124	101	101	197	112	112	197	112	112	197	112	112	197	112
54 MPH										306	411	303	411	357	362	392	33	33	535	336	336	535	336	336	535	336	336	535	336
59 MPH										682	766	684	766	643	745	758	764	764	833	729	729	833	729	729	833	729	729	833	729
64 MPH										918	918	922	918	857	922	954	910	910	977	944	944	977	944	944	977	944	944	977	944
69 MPH										984	968	982	968	1000	990	1000	978	978	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
74 MPH										1000	996	1000	996	1000	995	1000	989	989	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
79 MPH										1000	996	1000	996	1000	1000	1000	989	989	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
84 MPH										1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
89 MPH										1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
NB										1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
DIRECTION										106	137	103	137	3	108	63	44	44	22	64	41	22	64	41	22	64	41	22	64
NUMBER OF VEHICLES										106	137	103	137	3	108	63	44	44	22	64	41	22	64	41	22	64	41	22	64
AVERAGE SPEED										57.00	56.74	57.10	56.74	53.30	56.20	54.7	56.10	56.10	53.3	56.30	55.56	53.3	56.30	55.56	53.3	56.30	55.56	53.3	56.30
SB										139	145	128	145	11	88	97	45	45	49	43	41	49	43	41	49	43	41	49	43
DIRECTION										139	145	128	145	11	88	97	45	45	49	43	41	49	43	41	49	43	41	49	43
NUMBER OF VEHICLES										139	145	128	145	11	88	97	45	45	49	43	41	49	43	41	49	43	41	49	43
AVERAGE SPEED										57.10	55.67	57.00	55.67	58.50	56.30	56.54	56.10	56.10	54.61	56.50	58.85	54.61	56.50	58.85	54.61	56.50	58.85	54.61	56.50

TABLE AL9 SPEED DATA

STATION 2L-79 HIGHWAY SR 25 LOCATION 0.7 miles south of Americus

NO. OF LANES 2 TYPE OF SURFACE Blacktop WEATHER Hazy

THIS CESERVATION DATE 8-3-79 LAST PREVICUS OBSERVATION (SPEED REPORT NO. 106)

DATE 11:00 a.m.-12:59 p.m. DATE 9-7-78

TIME 11:00 a.m.-12:59 p.m. TIME 9:14-12:15 p.m.

	PASSENGER CARS				NON-INDIANA				ALL				TRUCKS			
	ALL	INDIANA	PRE-	ENI	ALL	INDIANA	PRE-	ENI	ALL	INDIANA	PRE-	ENI	ALL	INDIANA	PRE-	ENI
CESERVATION	LASI	LASI	ENI	LASI	LASI	LASI	ENI	LASI	LASI	LASI	ENI	LASI	LASI	LASI	ENI	LASI
NUMBER OF VEHICLES	387	387	278	261	0	17	156	156	82	82	156	156	61	61	76	21
AVE. SPEED (MPH)	54.80	54.80	55.72	55.80	0	55.59	52.30	53.63	52.30	52.30	53.63	54.04	52.60	52.60	54.04	51.50
STANDARD DEVIATION	5.919	5.919	5.792	5.804	0	5.778	5.356	5.138	5.356	5.356	5.138	4.954	5.359	5.359	4.954	5.400
24 MPH	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
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	8	8	0	0	0	0	0	0	1.2	1.2	6	6	1.6	1.6	0	0
44 MPH	2.1	2.1	1.1	8	0	5.9	8.5	2.6	8.5	8.5	2.6	0	6.6	6.6	0	14.3
49 MPH	14.7	14.7	9.4	8.8	0	17.6	25.6	20.5	25.6	25.6	20.5	19.7	24.6	24.6	19.7	28.6
54 MPH	50.7	50.7	40.6	41.0	0	35.3	70.7	5.2	70.7	70.7	5.2	51.3	70.5	70.5	51.3	71.4
59 MPH	86.1	86.1	83.1	83.1	0	82.4	90.2	87.2	90.2	90.2	87.2	86.8	88.5	88.5	86.8	95.2
64 MPH	94.8	94.8	95.0	94.6	0	100.0	98.8	97.4	98.8	98.8	97.4	96.1	98.4	98.4	96.1	100.0
69 MPH	97.4	97.4	98.6	98.5	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
74 MPH	98.4	98.4	98.9	98.9	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	99.5	99.5	99.3	99.2	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	99.3	99.2	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	99.6	99.6	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	225	225	142	13	0	12	38	72	38	38	72	33	23	23	33	15
AVERAGE SPEED	54.50	54.50	55.89	55.92	0	55.67	52.30	53.78	52.30	52.30	53.78	53.33	52.40	52.40	53.33	52.30
DIRECTION SB																
NUMBER OF VEHICLES	162	162	136	131	0	5	44	84	44	44	84	43	38	38	43	6
AVERAGE SPEED	55.20	55.20	55.68	55.69	0	55.40	52.30	53.51	52.30	52.30	53.51	54.58	52.70	52.70	54.58	49.70

STATION	HIGHWAY	SR	LOCATION	TABLE_A20_SPEED DATA
2L-91		43	2 miles south of Chalmers	

STATION 2L-91 HIGHWAY SR 43

LOCATION 2 miles south of Chalmers

NO.	OF LANES	2
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
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93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

TYPE CF SURFACE

Blacktop

WEATHER Cloudy

THIS OBSERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

DATE 8-6-79

DATE 8-4-78

TIME 10:46 a.m.-12:51 p.m.

DATE 8-1-70
TIME 8:54-11:18 a.m.

	PASSENGER CARS				TRUCKS			
	INDIANA		NON-INDIANA		ALL		ALL	
	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-
OBSERVATION	289	262	258	255	143	156	75	77
NUMBER OF VEHICLES	57.00	56.61	56.90	56.56	55.10	56.17	55.10	56.44
AVERAGE SPEED (MPH)	6.185	5.514	6.220	5.552	6.292	5.305	6.756	4.588
STANDARD DEVIATION	0	0	0	0	0	0	0	0
24 MPH	4	4	4	4	0	0	0	0
29 MPH	4	4	4	4	0	0	0	0
34 MPH	4	4	4	4	0	0	0	0
39 MPH	1	4	1	4	0	3	0	0
44 MPH	2	8	3	8	2	2	2	6
49 MPH	8	7	8	5	16	8	45	35
54 MPH	29	36	22	36	46	34	76	77
59 MPH	69	77	70	78	76	76	93	93
64 MPH	91	89	92	89	94	92	96	88
69 MPH	96	97	96	97	97	98	98	97
74 MPH	98	99	98	99	99	100	98	97
79 MPH	100	99	100	99	100	100	100	100
84 MPH	100	100	100	100	100	100	100	100
89 MPH	100	100	100	100	100	100	100	100
DIRECTION	133	131	132	131	69	77	36	34
NUMBER OF VEHICLES	56.60	56.29	56.50	56.31	55.10	55.62	54.20	56.29
AVERAGE SPEED	139	129	126	124	74	79	39	43
DIRECTION	57.40	56.95	57.20	56.84	55.20	56.71	55.90	56.40
NUMBER OF VEHICLES	57.40	56.95	57.20	56.84	55.20	56.71	55.90	56.40
AVERAGE SPEED	139	129	126	124	74	79	39	43

TABLE A21 SPEED DATA

STATION 21-6 HIGHWAY SR 39 LOCATION 1.65 miles south of SR 47

NO. OF LANES 2 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION DATE 9-17-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 TIME 9:46 a.m.-12:34 p.m. DATE TIME

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-
OBSERVATION	262	211	0	0	51	0	0	172	0	0	124	0
NUMBER OF VEHICLES	55.62	55.44	0	0	56.39	0	0	55.05	0	0	55.01	0
AVERAGE SPEED (MPH)	5.835	5.931	0	0	5.408	0	0	5.712	0	0	5.954	0
STANDARD DEVIATION	0	0	0	0	0	0	0	0	0	0	0	0
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	1.1	0	0	0	2.0	0	0	0	0	0	0	0
44 MPH	1.2	1.2	0	0	2.0	0	0	1.1	0	0	0	0
49 MPH	11.8	13.3	0	0	5.9	0	0	14.1	0	0	14.5	0
54 MPH	42.4	44.1	0	0	35.3	0	0	46.9	0	0	51.0	0
59 MPH	76.0	75.8	0	0	76.5	0	0	80.8	0	0	79.8	0
64 MPH	93.1	93.7	0	0	92.2	0	0	94.9	0	0	93.5	0
69 MPH	98.1	98.1	0	0	98.0	0	0	98.3	0	0	97.6	0
74 MPH	99.6	99.5	0	0	100.0	0	0	99.4	0	0	99.2	0
79 MPH	100.0	100.0	0	0	100.0	0	0	100.0	0	0	100.0	0
84 MPH	100.0	100.0	0	0	100.0	0	0	100.0	0	0	100.0	0
89 MPH	100.0	100.0	0	0	100.0	0	0	100.0	0	0	100.0	0
DIRECTION NB												
NUMBER OF VEHICLES	135	112	0	0	23	0	0	87	0	0	55	0
AVERAGE SPEED	55.58	55.26	0	0	57.13	0	0	54.24	0	0	55.04	0
DIRECTION SB												
NUMBER OF VEHICLES	127	99	0	0	28	0	0	90	0	0	69	0
AVERAGE SPEED	55.67	55.64	0	0	55.79	0	0	55.16	0	0	54.99	0

TABLE A22 SPEED DATA

STATION 2L-13 HIGHWAY SR 64 LOCATION 2.05 miles east of SR 37

NO. OF LANES 2 TYPE OF SURFACE Blacktop WEATHER Hazy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE 8-14-79
 TIME 8:45 a.m. - 1:35 p.m.

PASSENGER CARS										TRUCKS									
INDIANA										<5000 LBS									
ALL										>5000 LBS									
PRES-										PRES-									
LASI										LASI									
ENI										ENI									
207										123									
55.08										53.96									
6.162										6.739									
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TABLE A23 SPEED DATA

LCCATION 2.6 miles south of Winamac City Limit Sign

TIME	WIND	WAVE	WEATHER	SEA	WATER	TEMP.	WIND	WAVE	WEATHER	SEA	WATER	TEMP.
0800	10	10	Blacktop				10	10	Blacktop			
0900	10	10	Blacktop				10	10	Blacktop			
1000	10	10	Blacktop				10	10	Blacktop			
1100	10	10	Blacktop				10	10	Blacktop			
1200	10	10	Blacktop				10	10	Blacktop			
1300	10	10	Blacktop				10	10	Blacktop			
1400	10	10	Blacktop				10	10	Blacktop			
1500	10	10	Blacktop				10	10	Blacktop			
1600	10	10	Blacktop				10	10	Blacktop			
 			
4100	10	10	Blacktop				10	10	Blacktop			
4200	10	10	Blacktop				10	10	Blacktop			
4300	10	10	Blacktop				10	10	Blacktop			
4400	10	10	Blacktop				10	10	Blacktop			
4500	10	10	Blacktop				10	10	Blacktop			
4600	10	10	Blacktop				10	10	Blacktop			
4700	10	10	Blacktop				10	10	Blacktop			
4800	10	10	Blacktop				10	10	Blacktop			
4900	10	10	Blacktop				10	10	Blacktop			

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE

TIME

[illegible]

TABLE A24 SPEED DATA

STATION 2L-86 HIGHWAY US 41 LCCATIGN 5.25 miles north of west bank Wabash River

NO. OF LANES 2 TYPE OF SURFACE Blacktop WEATHER Partly Cloudy (8-24-79) Hazy (9-18-79)

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 8-24-79, 9-18-79
 TIME 8:54 a.m., 3:30 p.m. (8-24-79)
 10:01 a.m., 1:13 p.m. (9-18-79)

PASSENGER CARS										TRUCKS									
INDIANA					NON-INDIANA					<5000 LBS.					>5000 LBS.				
PRES-					PRES-					PRES-					PRES-				
ENI					ENI					ENI					ENI				
LASI					LASI					LASI					LASI				
247					186					175					103				
55.03					34.77					53.92					52.83				
5.661					5.785					6.109					5.776				
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TABLE_A25_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 8-21-79

TIME 11:10-11:42 a.m. NB

10:27-11:06 a.m. SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 109)

DATE 5-21-79

TIME 10:02-10:40 a.m.

12:50-1:25 p.m.

	PASSENGER CARS				INDIANA				NON-INDIANA				ALL				TRUCKS			
	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI
OBSERVATION	360	279	279	289	203	289	203	289	76	161	76	161	154	154	154	75	77	77	77	77
NUMBER OF VEHICLES	360	279	279	289	203	289	203	289	76	161	76	161	154	154	154	75	77	77	77	77
AVERAGE SPEED (MPH)	57.90	57.70	57.70	57.60	57.87	57.60	57.87	57.60	57.24	58.00	57.24	58.00	57.14	57.14	57.14	58.80	57.31	57.31	57.31	57.31
STANDARD DEVIATION	4.270	4.504	4.504	3.877	4.681	3.877	4.681	3.877	3.986	4.435	3.986	4.435	4.992	4.992	4.992	5.061	5.069	5.069	5.069	5.069
24 MPH	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
34 MPH	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0
44 MPH	3	4	4	3	5	3	5	3	0	6	0	6	6	6	6	1	3	3	3	3
49 MPH	17	25	25	14	25	14	25	14	26	25	26	25	25	25	25	27	27	27	27	27
54 MPH	20	19	19	20	18	20	18	20	21	15	21	15	30	30	30	10	17	17	17	17
59 MPH	67	71	71	72	70	72	70	72	72	70	72	70	69	69	69	65	63	63	63	63
64 MPH	25	21	21	27	22	27	22	27	26	22	26	22	23	23	23	86	7	7	7	7
69 MPH	22	29	29	27	29	27	29	27	100	98	100	98	98	98	98	97	93	93	93	93
74 MPH	29	24	24	29	27	29	27	29	100	98	100	98	100	100	100	98	97	97	97	97
79 MPH	99	77	77	99	100	99	100	99	100	100	100	100	100	100	100	100	100	100	100	100
84 MPH	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
89 MPH	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
DIRECTION NB																				
NUMBER OF VEHICLES	187	148	148	147	110	147	110	147	38	78	38	78	74	74	74	41	35	35	35	35
AVERAGE SPEED	58.20	57.86	57.86	57.77	57.85	57.77	57.85	57.77	57.89	58.30	57.89	58.30	57.31	57.31	57.31	59.20	57.17	57.17	57.17	57.17
DIRECTION SB																				
NUMBER OF VEHICLES	177	131	131	142	93	142	93	142	38	83	38	83	80	80	80	34	42	42	42	42
AVERAGE SPEED	57.70	57.51	57.51	57.40	57.89	57.40	57.89	57.40	56.58	57.60	56.58	57.60	56.99	56.99	56.99	58.40	57.43	57.43	57.43	57.43

TABLE A26 SPEED DATA

STATION UI-1 HIGHWAY I-94 LOCATION 1st bridge west of Burr Street Interchange

NO. OF LANES 6 TYPE OF SURFACE Blacktop WEATHER Sunny

THIS OBSERVATION DATE 9-10-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

DATE 12-27-12:51 p.m. EB DATE 8-7-78

TIME 11:15 a.m.-12:06 p.m. WB TIME 10:29-11:09 a.m. EB

TIME 11:20-11:54 a.m. WB

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

TABLE A28 SPEED DATA

STATION UI-4 HIGHWAY I-465 LOCATION 100 yards south of 34th Street bridge

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION DATE 8-23-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

TIME 1:07-1:49 p.m. NB
10:30-11:48 a.m. SB

PASSENGER CARS										NON-INDIANA										TRUCKS									
ALL										ALL										<5000 LBS									
PRES-										PRES-										PRES-									
ENI										ENI										ENI									
LAST										LAST										LAST									
LASI										LASI										LASI									
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TABLE_A30_SPEED DATA

STATION_4ALL HIGHWAY_4 lane rural LOCATION See Individual Stations

NO. CF LANES TYPE CF SURFACE WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 109)

DATE July-September 1979 DATE April-June 1979 TIME TIME

PASSENGER CARS										TRUCKS									
INDIANA					NON-INDIANA					<5000 LBS.					>5000 LBS.				
PRES-					PRES-					PRES-					PRES-				
LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT				
2271	1754	0	517	0	1250	0	618	0	642	0	642	0	642	0	642				
56.08	56.15	0	55.87	0	55.75	0	55.19	0	56.28	0	56.28	0	56.28	0	56.28				
5.243	5.142	0	5.572	0	5.634	0	5.236	0	5.941	0	5.941	0	5.941	0	5.941				
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0				
3	7	0	2	0	8	0	3	0	6	0	6	0	6	0	6				
1.2	1.8	0	2.1	0	2.9	0	2.8	0	3.0	0	3.0	0	3.0	0	3.0				
2.6	2.0	0	1.6	0	12.2	0	12.8	0	11.5	0	11.5	0	11.5	0	11.5				
35.4	34.3	0	39.3	0	37.5	0	41.4	0	33.8	0	33.8	0	33.8	0	33.8				
76.2	76.2	0	76.8	0	77.1	0	82.1	0	71.5	0	71.5	0	71.5	0	71.5				
25.1	25.4	0	24.2	0	24.8	0	26.5	0	23.1	0	23.1	0	23.1	0	23.1				
29.1	29.2	0	28.8	0	29.2	0	29.2	0	29.2	0	29.2	0	29.2	0	29.2				
29.2	29.2	0	29.2	0	29.2	0	29.2	0	29.2	0	29.2	0	29.2	0	29.2				
100.0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0				
100.0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0				
100.0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0				

TABLE A31--SPEED DATA

STATION 22ALL HIGHWAY 2 lane rural LOCATION See Individual Stations

NO. CF LANES TYPE CF SURFACE WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 109)

DATE July-September 1979 DATE April-June 1979
TIME TIME

PASSENGER CARS										TRUCKS																			
ALL					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.									
PRES-					PRES-					PRES-					PRES-					PRES-									
LAST					ENT					LAST					ENT					LAST					ENT				
NUMBER-OF-VEHICLES					1827					209					0					0					0				
AVE. SPEED (MPH)					55.72					56.05					54.84					54.44					54.44				
STANDARD DEVIATION					5.720					5.265					5.816					5.895					5.696				
-24 MPH					0					0					0					0					0				
-29 MPH					0					0					0					0					0				
-34 MPH					1					0					1					0					0				
-39 MPH					4					1					1					1					0				
-44 MPH					2					1					4					8					2				
-49 MPH					10					8					5					5					5				
-54 MPH					40					37					45					49					49				
-59 MPH					79					78					80					82					82				
-64 MPH					23					24					25					25					26				
-69 MPH					28					22					29					28					29				
-74 MPH					29					100					29					29					29				
-79 MPH					29					100					100					100					100				
-84 MPH					29					100					100					100					100				
-89 MPH					29					100					100					100					100				

TABLE A32 SPEED DATA

STATION_UIALL
HIGHWAY Urban
LCCATION See Individual Stations

NO. OF LANES	TYPE OF SURFACE	WEATHER
1	ASPHALT	DRY
2	CONCRETE	WET
3	GRAVEL	DRY
4	GRAVEL	WET
5	GRAVEL	DRY
6	GRAVEL	WET
7	GRAVEL	DRY
8	GRAVEL	WET
9	GRAVEL	DRY
10	GRAVEL	WET
11	GRAVEL	DRY
12	GRAVEL	WET
13	GRAVEL	DRY
14	GRAVEL	WET
15	GRAVEL	DRY
16	GRAVEL	WET
17	GRAVEL	DRY
18	GRAVEL	WET
19	GRAVEL	DRY
20	GRAVEL	WET
21	GRAVEL	DRY
22	GRAVEL	WET
23	GRAVEL	DRY
 
79	GRAVEL	DRY
80	GRAVEL	WET
81	GRAVEL	DRY
82	GRAVEL	WET
83	GRAVEL	DRY
84	GRAVEL	WET
85	GRAVEL	DRY
86	GRAVEL	WET
87	GRAVEL	DRY
88	GRAVEL	WET
89	GRAVEL	DRY
90	GRAVEL	WET
91	GRAVEL	DRY
92	GRAVEL	WET
93	GRAVEL	DRY
94	GRAVEL	WET
95	GRAVEL	DRY
96	GRAVEL	WET
97	GRAVEL	DRY
98	GRAVEL	WET
99	GRAVEL	DRY
100	GRAVEL	WET

THIS OBSERVATION
DATE July-September 1979
TIME
LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 109)
DATE April-June 1979
TIME

[illegible]

TABLE A33 SPEED DATA

STATION ALL HIGHWAY Indiana System LOCATION See Individual Stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 109)

DATE July-September 1979

DATE April-June 1979

TIME TIME

OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	INDIANA			PRES-			PRES-			PRES-		
	LAST	ENI	LAST	LAST	ENI	LAST	LAST	ENI	LAST	LAST	ENI	LAST
NUMBER OF VEHICLES	7448	5331	0	0	2117	0	0	4744	0	0	2156	0
AVERAGE SPEED (MPH)	56.87	56.61	0	0	57.54	0	0	56.40	0	0	55.79	0
STANDARD DEVIATION	5.260	5.311	0	0	5.068	0	0	5.541	0	0	5.518	0
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	0	0	0	0	0	0	0	0	0	0	0	0
54 MPH	0	0	0	0	0	0	0	0	0	0	0	0
59 MPH	0	0	0	0	0	0	0	0	0	0	0	0
64 MPH	0	0	0	0	0	0	0	0	0	0	0	0
69 MPH	0	0	0	0	0	0	0	0	0	0	0	0
74 MPH	0	0	0	0	0	0	0	0	0	0	0	0
79 MPH	0	0	0	0	0	0	0	0	0	0	0	0
84 MPH	0	0	0	0	0	0	0	0	0	0	0	0
89 MPH	0	0	0	0	0	0	0	0	0	0	0	0

PERCENT OF VEHICLES TRAVELING AT OR LESS THAN

TABLE A34 SPEED DATA

STATION RI-24 HIGHWAY I-65 LOCATION 1.3 miles north of SR 267

NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER Cloudy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 9-7-79 DATE

TIME 1:33-2:54 NB TIME

10:16-12:04 SB

PASSENGER CARS										TRUCKS									
INDIANA										ALL									
PRES-					PRES-					PRES-					PRES-				
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STATION	RI-35	HIGHWAY	I-74	LOCATION	1.0 miles east of SR 39
1	1	1	1	1	1

HI CHWAY
I-74

STATION--BI-35-

NO. OF LANES

4

TYPE CF SURFACE

Blacktop

WEATHER Cloudy

THIS OBSERVATION

DATE 8-20-79

TIME 10:23 a.m. 12:02 p.m. EB

12:53-2:28 p.m. WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE _____

TIME

12:53-2:28 p.m. WB

OBSERVATION	ALL		PASSENGER CARS		NON-INDIANA		INDIANA		ALL		TRUCKS	
	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	0	286	0	164	0	122	0	139	0	55	0	84
AVERAGE SPEED (MPH)	58.96	58.96	59.31	59.31	58.48	58.48	58.48	58.60	58.48	58.56	58.48	58.63
STANDARD DEVIATION	4.971	4.971	5.269	5.269	4.519	4.519	4.519	6.099	4.519	6.732	4.519	5.688
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	2.2	0	3.6	0	1.2
49 MPH	0	0	0	0	0	0	0	2.2	0	3.6	0	1.2
54 MPH	0	0	0	0	0	0	0	6.5	0	5.2	0	7.1
59 MPH	0	0	0	0	0	0	0	18.7	0	18.7	0	19.8
64 MPH	0	0	0	0	0	0	0	54.0	0	52.7	0	54.8
69 MPH	0	0	0	0	0	0	0	87.8	0	85.1	0	86.9
74 MPH	0	0	0	0	0	0	0	98.6	0	98.2	0	98.8
79 MPH	0	0	0	0	0	0	0	99.3	0	98.2	0	98.8
84 MPH	0	0	0	0	0	0	0	100.0	0	100.0	0	100.0
89 MPH	0	0	0	0	0	0	0	100.0	0	100.0	0	100.0
DIRECTION	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER OF VEHICLES	0	153	0	92	0	61	0	60	0	23	0	27
AVERAGE SPEED	59.32	59.32	59.57	59.57	58.95	58.95	58.95	58.52	58.95	58.48	58.95	58.54
DIRECTION	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER OF VEHICLES	0	133	0	72	0	61	0	79	0	32	0	47
AVERAGE SPEED	58.54	58.54	58.99	58.99	58.02	58.02	58.02	58.67	58.99	58.62	58.99	58.70

TABLE A36 SPEED DATA

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STATION 44-14 HIGHWAY US 40 LOCATION 0.9 miles east of Cumberland City Limit Sign
NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER Sunny, Hazy
THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )
DATE 9-11-79, 9-12-79 DATE
TIME 11:02-1:15 EB (9-11-79) TIME
11:06-1:06 WB (9-12-79)

```

TABLE A37--SPEED DATA

STATION 41-22 HIGHWAY US 31 LOCATION 2.9 miles south of SR 26

NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER Hazy

THIS OBSERVATION DATE 8-9-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 12:03-2:02 p.m. NB TIME

DATE 10:23-11:40 a.m. SB TIME

PASSENGER CARS										TRUCKS																															
ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.																
PRES-					PRES-					PRES-					PRES-					PRES-					PRES-																
LAST					ENI					LAST					ENI					LAST					ENI					LAST					ENI						
OBSERVATION										NUMBER OF VEHICLES										AVE. SPEED (MPH)										STANDARD DEVIATION											
24 MPH										0	297	0	279	0	18	0	143	0	50	0	57	0	57	0	57	0	57	0	57	0	57	0	57	0	57	0	57	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	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	0	0	0	0	0	0	0	0		
39 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
49 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
54 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
59 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
64 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
69 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
74 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
79 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
84 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
89 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIRECTION NB										NUMBER OF VEHICLES										AVERAGE SPEED										DIRECTION SB											
128										128	0	125	0	3	0	58.00	82	0	34	0	58.50	48	0	58.35	48	0	58.35	48	0	58.35	48	0	58.35	48	0	58.35	48	0	58.35	48	0
169										169	0	154	0	15	0	55.36	61	0	16	0	55.69	45	0	55.24	45	0	55.24	45	0	55.24	45	0	55.24	45	0	55.24	45	0	55.24	45	0
57.00										57.00	0	56.86	0	58.40	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0

TABLE A38 SPEED DATA

STATION 21-13 HIGHWAY SR 64 LOCATION 2.05 miles east of SR 37

NO. OF LANES 2 TYPE OF SURFACE Blacktop WEATHER Hazy

THIS OBSERVATION DATE 8-14-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 TIME 9:21 a.m.-4:00 p.m.*

	PASSENGER CARS				TRUCKS			
	INDIANA		NON-INDIANA		ALL		<5000 LBS.	
	PRES-	ENT	PRES-	ENT	PRES-	ENT	PRES-	ENT
OBSERVATION	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	128	116	0	12	0	129	0	72
AVERAGE SPEED (MPH)	54.00	53.47	0	52.17	0	53.61	0	54.79
STANDARD DEVIATION	6.512	6.210	0	7.371	0	7.151	0	7.584
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	0	0	0	0	0	0	0	0
59 MPH	0	0	0	0	0	0	0	0
64 MPH	0	0	0	0	0	0	0	0
69 MPH	0	0	0	0	0	0	0	0
74 MPH	0	0	0	0	0	0	0	0
79 MPH	0	0	0	0	0	0	0	0
84 MPH	0	0	0	0	0	0	0	0
89 MPH	0	0	0	0	0	0	0	0
DIRECTION	EB	WB	EB	WB	EB	WB	EB	WB
NUMBER OF VEHICLES	68	63	0	5	0	64	0	34
AVERAGE SPEED	53.51	53.21	0	57.40	0	53.77	0	53.80
DIRECTION	WB	WB	WB	WB	WB	WB	WB	WB
NUMBER OF VEHICLES	60	53	0	7	0	65	0	38
AVERAGE SPEED	54.55	53.77	0	60.43	0	53.46	0	55.74

*Stopped due to dark skies and light rain. Some vehicles had lights on.

TABLE A39 SPEED DATA

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STATION 21-86 HIGHWAY US 41 LOCATION 5.25 miles north of west bank Wabash River
NO. OF LANES 2 TYPE OF SURFACE Blacktop WEATHER Partly Cloudy (8-24-79)
Hazy (9-18-79)
THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )
DATE 8-24-79, 9-18-79 DATE
TIME 9:28 a.m., 4:00 p.m. (8-24-79) TIME
9:31 a.m., 4:13 p.m. (9-18-79)

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

DATE	8-24-79	9-18-79	
TIME	9:28 a.m.	4:00 p.m.	
	9:31 a.m.	4:13 p.m.	

OBSERVATION	PASSENGER CARS			INDIANA			NON-INDIANA			ALL			TRUCKS		
	LAST	ENT	PRES	LAST	ENT	PRES	LAST	ENT	PRES	LAST	ENT	PRES	LAST	ENT	PRES
NUMBER OF VEHICLES	0	242		0	125		0	24		0	184		0	122	
AVERAGE SPEED (MPH)	0	54.56		0	54.26		0	55.63		0	53.23		0	52.56	
STANDARD DEVIATION	0	5.487		0	5.650		0	4.748		0	5.422		0	5.577	
-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	2.4		0	3.1		0	0		0	5.0		0	8.2	
-49 MPH	0	14.5		0	16.4		0	7.4		0	21.2		0	27.9	
-54 MPH	0	50.2		0	51.3		0	46.3		0	58.7		0	62.3	
-59 MPH	0	84.3		0	85.6		0	79.6		0	91.3		0	93.4	
-64 MPH	0	96.0		0	95.9		0	92.3		0	98.4		0	99.2	
-69 MPH	0	98.8		0	98.5		0	101.0		0	99.5		0	99.2	
-74 MPH	0	99.6		0	99.5		0	100.0		0	99.5		0	99.2	
-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	
DIRECTION	NB														
NUMBER OF VEHICLES	0	143		0	119		0	24		0	76		0	49	
AVERAGE SPEED	0	54.52		0	54.21		0	56.04		0	53.59		0	52.51	
DIRECTION	SB														
NUMBER OF VEHICLES	0	106		0	76		0	30		0	108		0	73	
AVERAGE SPEED	0	54.61		0	54.34		0	55.30		0	52.98		0	50.59	

TABLE A41 SPEED DATA

STATION UI-4A HIGHWAY I-465 LOCATION 100 yds. south of 34th Street bridge
NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Hazy
THIS OBSERVATION DATE 8-23-79
DATE 1:49-3:13 p.m. NB
TIME 11:01 a.m.-12:50 p.m. SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

	PASSENGER CARS				NON-INDIANA				ALL				TRUCKS			
	ALL	INDIANA	PRESENTER	INDIANA	ALL	INDIANA	PRESENTER	INDIANA	ALL	INDIANA	PRESENTER	INDIANA	ALL	INDIANA	PRESENTER	INDIANA
OBSERVATION	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	282	186	0	0	0	96	0	0	0	148	0	0	0	84	0	0
AVERAGE SPEED (MPH)	55.57	55.56	0	0	0	55.58	0	0	0	54.57	0	0	0	54.96	0	0
STANDARD DEVIATION	4.912	5.012	0	0	0	4.759	0	0	0	4.760	0	0	0	4.793	0	0
24 MPH	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
34 MPH	0	0	0	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	0	0	0
44 MPH	1.8	2.7	0	0	0	0	0	0	0	2.0	0	0	0	2.4	0	0
49 MPH	11.3	10.2	0	0	0	13.5	0	0	0	14.2	0	0	0	14.3	0	0
54 MPH	41.1	39.8	0	0	0	43.8	0	0	0	46.6	0	0	0	42.9	0	0
59 MPH	81.2	83.3	0	0	0	77.1	0	0	0	85.8	0	0	0	85.7	0	0
64 MPH	95.7	95.2	0	0	0	96.9	0	0	0	99.3	0	0	0	98.8	0	0
69 MPH	100.0	100.0	0	0	0	100.0	0	0	0	100.0	0	0	0	100.0	0	0
74 MPH	100.0	100.0	0	0	0	100.0	0	0	0	100.0	0	0	0	100.0	0	0
79 MPH	100.0	100.0	0	0	0	100.0	0	0	0	100.0	0	0	0	100.0	0	0
84 MPH	100.0	100.0	0	0	0	100.0	0	0	0	100.0	0	0	0	100.0	0	0
89 MPH	100.0	100.0	0	0	0	100.0	0	0	0	100.0	0	0	0	100.0	0	0
DIRECTION NB																
NUMBER OF VEHICLES	145	99	0	0	0	46	0	0	0	7	0	0	0	41	0	0
AVERAGE SPEED	55.35	55.53	0	0	0	54.98	0	0	0	54.16	0	0	0	55.07	0	0
DIRECTION SB																
NUMBER OF VEHICLES	137	87	0	0	0	50	0	0	0	78	0	0	0	43	0	0
AVERAGE SPEED	55.80	55.60	0	0	0	56.14	0	0	0	54.94	0	0	0	54.86	0	0

TABLE A42 SPEED DATA

HIGHWAY 4 lane rural

LOCATION See Individual Stations

NO. OF LANES

TYPE CF SURFACE

WEATHER

THIS OBSERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE July-September 1979

DATE _____

TIME

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LASI	ENI	PRES-	LASI	ENI	PRES-	LASI	ENI	PRES-	LASI	ENI	PRES-
NUMBER OF VEHICLES	561	228		0	263		0	298		0	112	
AVERAGE SPEED (MPH)	58.26	59.20		0	58.69		0	58.76		0	58.08	
STANDARD DEVIATION	4.742	5.004		0	4.420		0	5.486		0	6.156	
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	1.6	1.7		0	1.5		0	2.0		0	2.7	
54 MPH	15.2	15.8		0	14.4		0	14.8		0	17.9	
59 MPH	60.1	58.7		0	61.6		0	52.7		0	58.9	
64 MPH	82.3	87.6		0	91.3		0	90.3		0	91.1	
69 MPH	97.7	97.0		0	98.5		0	92.3		0	99.1	
74 MPH	99.5	99.0		0	100.0		0	99.7		0	99.1	
79 MPH	99.8	99.7		0	100.0		0	100.0		0	100.0	
84 MPH	100.0	100.0		0	100.0		0	100.0		0	100.0	
89 MPH	100.0	100.0		0	100.0		0	100.0		0	100.0	

TABLE A43 SPEED DATA

STATION 4LALL HIGHWAY 4 lane rural LOCATION See Individual Stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE July-September 1979 DATE

TIME TIME

OBSERVATION	PASSENGER CARS			TRUCKS		
	INDIANA			ALL		
	PRES-	ENI	LASI	PRES-	ENI	LASI
NUMBER OF VEHICLES	0	638	0	0	189	0
AVERAGE SPEED (MPH)	0	55.44	0	0	53.79	0
STANDARD DEVIATION	0	5.610	0	0	5.989	0
24 MPH	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0
34 MPH	0	3	0	0	1.1	0
39 MPH	0	6	0	0	1.6	0
44 MPH	0	30	0	0	4.8	0
49 MPH	0	125	0	0	22.2	0
54 MPH	0	411	0	0	55.0	0
59 MPH	0	790	0	0	84.7	0
64 MPH	0	953	0	0	96.8	0
69 MPH	0	986	0	0	98.4	0
74 MPH	0	997	0	0	100.0	0
79 MPH	0	998	0	0	100.0	0
84 MPH	0	1000	0	0	100.0	0
89 MPH	0	1000	0	0	100.0	0
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN						
	0	638	0	0	189	0
	0	55.44	0	0	53.79	0
	0	5.610	0	0	5.989	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	3	0	0	1.1	0
	0	6	0	0	1.6	0
	0	30	0	0	4.8	0
	0	125	0	0	22.2	0
	0	411	0	0	55.0	0
	0	790	0	0	84.7	0
	0	953	0	0	96.8	0
	0	986	0	0	98.4	0
	0	997	0	0	100.0	0
	0	998	0	0	100.0	0
	0	1000	0	0	100.0	0
	0	1000	0	0	100.0	0

TABLE A44 SPEED DATA

L-C-C-A-T-I-C-N See Individual Stations

HIGHWAY 2 lane rural

STATION 21 ALL

TYPE CF SURFACE

WEATHER

THIS OBSERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE July-September 1979

TIME

[illegible]

TABLE A45 SPEED DATA

STATION UJALL HIGHWAY Urban LOCATION See Individual StationsNO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)DATE July-September 1979TIME

	PASSENGER CARS			TRUCKS		
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS	>5000 LBS
OBSERVATION	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	512	312	0	342	0	135
AVE. SPEED (MPH)	56.32	56.29	0	56.10	0	55.42
STANDARD DEVIATION	4.687	4.846	0	4.610	0	4.731
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	1.2	1.6	0	1.2	0	0
49 MPH	8.0	8.1	0	8.7	0	2.2
54 MPH	34.2	34.0	0	34.6	0	11.9
59 MPH	76.6	77.9	0	79.7	0	37.0
64 MPH	95.7	94.9	0	96.8	0	83.7
69 MPH	106.0	100.0	0	99.7	0	98.5
74 MPH	106.0	100.0	0	100.0	0	100.0
79 MPH	106.0	100.0	0	100.0	0	100.0
84 MPH	106.0	100.0	0	100.0	0	100.0
89 MPH	100.0	100.0	0	100.0	0	100.0

PERCENT

OF

VEHICLES

TRAVELING

AT OR

LESS THAN

Monitoring of Speed - Free Flow Techniques
(Statistical Summary)

☒ Quarterly Report--Calendar Quarter Ending Sept. 30, 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	4	1751	7.5	56.7	56.0	60.4	60.9	16.8	2.9
Interstate Rural	849	8	3458	22.5	58.7	58.1	62.7	76.7	32.6	7.2
Multi-lane, Divided	657	8	3521	19.75	56.0	55.6	60.6	54.8	17.5	3.7
Multi-lane, Undivided		(Included in multi-lane, divided classification)								
2-Lane, Rural	8030	8	3462	33.25	55.4	54.8	60.1	48.3	15.4	3.9
State Total	9754	28	12192	83	56.7	56.2	61.3	60.0	21.1	4.6

TABLE A48

Monitoring of Speed - All Vehicle Technique
(Statistical Summary)☒ Quarterly Report--Calendar Quarter Ending Sept. 30, 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	857	6.5	56.2	56.0	60.4	58.2	16.9	1.2
Interstate Rural	849	2	859	6.75	58.9	58.2	63.1	80.3	34.6	8.0
Multi-lane, Divided	657	2	898	5.75	55.3	54.8	60.3	47.9	16.1	2.9
Multi-lane, Undivided		(Included in multi-lane, divided classification)								
2-Lane, Rural	8030	2	690	13	53.9	53.2	59.1	37.7	12.2	2.6
State Total	9754	8	3304	32	55.8*	55.2*	60.5*	53.5*	19.2*	3.8*

*Computed as statewide weighted averages by method required by "Interim Speed Monitoring Procedures".

TABLE A49

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE, RURAL	
STATION NUMBER	RI-6	LOCATION I-65; 7.5 mi. north of SR 160
NUMBER OF SESSIONS	1	DATES 8/16/79 VEHICLES MEASURED 423
AVERAGE SPEED (MPH)	58.8	STANDARD DEVIATION 4.6
MEDIAN SPEED (MPH)	58.2	85TH PERCENTILE SPEED (MPH) 62.7
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	78	60 MPH 32 65 MPH 5

TABLE A50

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY ----- INTERSTATE, RURAL -----
 STATION NUMBER RI-21 LOCATION I-69; 1.6 mi. south of SR 18 -----
 NUMBER OF SESSIONS 1 DATES 8/22/79 VEHICLES MEASURED 34 -----
 AVERAGE SPEED (MPH) 58.8 STANDARD DEVIATION 4.7 -----
 MEDIAN SPEED (MPH) 58.2 85TH PERCENTILE SPEED (MPH) 62.9 -----
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH ----- 77 ----- 60 MPH ----- 32 ----- 65 MPH ----- 9 -----

TABLE A51.

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE, RURAL
STATION NUMBER	BI-12
LOCATION	I-74; 0.1 mi. west of Mile Marker 109
NUMBER OF SESSIONS	1
DATES	8/29/79
VEHICLES MEASURED	443
AVERAGE SPEED (MPH)	58.2
STANDARD DEVIATION	4.5
MEDIAN SPEED (MPH)	57.7
85TH PERCENTILE SPEED (MPH)	61.2
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	74
60 MPH	31
65 MPH	4

TABLE A52

SPEED MONITORING STATION SUMMARY -- Free Flow

HIGHWAY CATEGORY	INTERSTATE, RURAL		
STATION NUMBER	RI-34	LOCATION	I-65; 1.3 mi. north of SR 267
NUMBER OF SESSIONS	1	DATES	9/7/79
		VEHICLES MEASURED	429
AVERAGE SPEED (MPH)	58.6	STANDARD DEVIATION	4.5
MEDIAN SPEED (MPH)	58.1	85TH PERCENTILE SPEED (MPH)	62.7
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	78	60 MPH	31
		65 MPH	6

TABLE A53-

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE, RURAL
STATION NUMBER	R1-Q3 LOCATION I-64; 1.7 mi. west of SR 145
NUMBER OF SESSIONS	1 DATES 8/15/79 VEHICLES MEASURED 426
AVERAGE SPEED (MPH)	52.9 STANDARD DEVIATION 5.2
MEDIAN SPEED (MPH)	58.2 85TH PERCENTILE SPEED (MPH) 64.8
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	81 60 MPH 41 65 MPH 14

TABLE A54

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE, RURAL
STATION NUMBER	RI-14 LOCATION I-64; 4.7 mi. west of Corydon Rd.-SR 135
NUMBER OF SESSIONS	1 DATES 8/15/79 VEHICLES MEASURED 426
AVERAGE SPEED (MPH)	58.6 STANDARD DEVIATION 5.2
MEDIAN SPEED (MPH)	57.8 85TH PERCENTILE SPEED (MPH) 62.9
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	75 60 MPH 34 65 MPH 8

TABLE A55

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE, RURAL
STATION NUMBER	RI-11
LOCATION	I-74; 15.7 mi. east of SR 44
NUMBER OF SESSIONS	1
DATES	8/27/79
VEHICLES MEASURED	434
AVERAGE SPEED (MPH)	58.3
STANDARD DEVIATION	4.2
MEDIAN SPEED (MPH)	57.7
85TH PERCENTILE SPEED (MPH)	62.1
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	74
60 MPH	28
65 MPH	6

TABLE A56

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY INTERSTATE, RURAL
 STATION NUMBER RI-35 LOCATION I-74; 1.0 mi. east of SR 39
 NUMBER OF SESSIONS 1 DATES 8/20/79 VEHICLES MEASURED 43
 AVERAGE SPEED (MPH) 58.6 STANDARD DEVIATION 4.6
 MEDIAN SPEED (MPH) 58.2 85TH PERCENTILE SPEED (MPH) 62.2
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 77 60 MPH 30 65 MPH 6

TABLE A57

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 41-17 LOCATION US 52; 150 ft. east of County Rd. 475W
 NUMBER OF SESSIONS 1 DATES 8/2/79 VEHICLES MEASURED 453
 AVERAGE SPEED (MPH) 55.2 STANDARD DEVIATION 5.7
 MEDIAN SPEED (MPH) 54.7 85TH PERCENTILE SPEED (MPH) 59.8
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 46 60 MPH 14 65 MPH 4

TABLE A58

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 41-32 LOCATION US 30; 2.9 mi. west of Wanatah City Limit Sign
 NUMBER OF SESSIONS 1 DATES 8/17/79 VEHICLES MEASURED 432
 AVERAGE SPEED (MPH) 57.6 STANDARD DEVIATION 4.8
 MEDIAN SPEED (MPH) 57.1 85TH PERCENTILE SPEED (MPH) 61.6
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 62 60 MPH 24 65 MPH 4

TABLE A59

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 4L-20 LOCATION US 41; 1.1 mi. north of SR 2
 NUMBER OF SESSIONS 1 DATES 9/5/79 VEHICLES MEASURED 426
 AVERAGE SPEED (MPH) 56.3 STANDARD DEVIATION 5.9
 MEDIAN SPEED (MPH) 55.6 85TH PERCENTILE SPEED (MPH) 62.1
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 54 60 MPH 22 65 MPH 7

TABLE A60

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 41-21 LOCATION US 31; 1.1 mi. south of SR 38
 NUMBER OF SESSIONS 1 DATES 8/10/79 VEHICLES MEASURED 423
 AVERAGE SPEED (MPH) 56.4 STANDARD DEVIATION 4.5
 MEDIAN SPEED (MPH) 55.9 85TH PERCENTILE SPEED (MPH) 60.4
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 59 60 MPH 17 65 MPH 3

TABLE A61

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 41-3 LOCATION US 41; 1.7 mi. south of SR 54 East
 NUMBER OF SESSIONS 1 DATES 8/13/79 VEHICLES MEASURED 427
 AVERAGE SPEED (MPH) 56.8 STANDARD DEVIATION 5.1
 MEDIAN SPEED (MPH) 56.5 85TH PERCENTILE SPEED (MPH) 61.2
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 64 60 MPH 20 65 MPH 4

TABLE A62

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 4L-14 LOCATION US 40; 0.9 mi. east of Cumberland City Limit Sign
 NUMBER OF SESSIONS 1 DATES 9/11/79, 9/12/79 VEHICLES MEASURED 459
 AVERAGE SPEED (MPH) 52.7 STANDARD DEVIATION 5.1
 MEDIAN SPEED (MPH) 52.3 85TH PERCENTILE SPEED (MPH) 57.4
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 32 60 MPH 5 65 MPH 0

TABLE A63

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER	41-22 LOCATION US 31; 2.9 mi. south of SR 26
NUMBER OF SESSIONS	1 DATES 8/9/79 VEHICLES MEASURED 446
AVERAGE SPEED (MPH)	58.1 STANDARD DEVIATION 5.1
MEDIAN SPEED (MPH)	57.2 85TH PERCENTILE SPEED (MPH) 62.1
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	71.6 MPH 27.65 MPH 7

TABLE A64

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER	44-23 LOCATION US 31; 0.75 mi. north of SR 18
NUMBER OF SESSIONS	1 DATES 8/9/79 VEHICLES MEASURED 455
AVERAGE SPEED (MPH)	54.2 STANDARD DEVIATION 4.8
MEDIAN SPEED (MPH)	54.5 85TH PERCENTILE SPEED (MPH) 58.9
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	44 63 MPH 12 65 MPH 1

TABLE A65

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY TWO-LANE RURAL
 STATION NUMBER 21-18 LOCATION US 35; about 300 yds. west of reg. location which is 2.5 mi. east of I-69, Cleo Glass Residence
 NUMBER OF SESSIONS 1 DATES 8/22/79 VEHICLES MEASURED 445
 AVERAGE SPEED (MPH) 56.4 STANDARD DEVIATION 5.3
 MEDIAN SPEED (MPH) 55.9 85TH PERCENTILE SPEED (MPH) 60.1
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 57 60 MPH 16 65 MPH 3

TABLE A66

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	TWC-LANE	RURAL
STATION NUMBER	21-54	LOCATION US 231; 1.1 mi. south of SR 234
NUMBER OF SESSIONS	1	DATES 9/6/79
		VEHICLES MEASURED 435
AVERAGE SPEED (MPH)	56.1	STANDARD DEVIATION 5.8
MEDIAN SPEED (MPH)	55.1	85TH PERCENTILE SPEED (MPH) 61.3
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	51	60 MPH 18
		65 MPH 6

TABLE A67

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	TWO-LANE, RURAL
STATION NUMBER	21-79 LOCATION SR 25; 0.7 mi. south of Americus
NUMBER OF SESSIONS	1 DATES 8/3/79 VEHICLES MEASURED 134
AVERAGE SPEED (MPH)	55.0 STANDARD DEVIATION 5.7
MEDIAN SPEED (MPH)	54.4 85TH PERCENTILE SPEED (MPH) 59.1
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	44 60 MPH 11 65 MPH 3

TABLE A68

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY TWO-LANE, RURAL
 STATION NUMBER 21-21 LOCATION SR 43; 2 mi. south of Chalmers
 NUMBER OF SESSIONS 1 DATES 8/6/79 VEHICLES MEASURED 418
 AVERAGE SPEED (MPH) 56.4 STANDARD DEVIATION 5.4
 MEDIAN SPEED (MPH) 55.2 85TH PERCENTILE SPEED (MPH) 60.8
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 52 60 MPH 18 65 MPH 6

TABLE A69

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	TWO-LANE, RURAL
STATION NUMBER	2L-6
LOCATION	SR 39; 1.65 mi. south of SR 47
NUMBER OF SESSIONS	1
DATES	9/17/79
VEHICLES MEASURED	439
AVERAGE SPEED (MPH)	55.4
STANDARD DEVIATION	5.8
MEDIAN SPEED (MPH)	54.8
85TH PERCENTILE SPEED (MPH)	60.3
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	42
60 MPH	17
65 MPH	4

TABLE A70

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	TWO-LANE RURAL	
STATION NUMBER	2L-13-LOCATION SR 64; 2.05 mi. east of SR 37	
NUMBER OF SESSIONS	1	DATES 8/14/79
VEHICLES MEASURED 429		
AVERAGE SPEED (MPH)	54.5	STANDARD DEVIATION 6.5
MEDIAN SPEED (MPH)	54.3	85TH PERCENTILE SPEED (MPH) 60.0
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	45	60 MPH 15
		65 MPH 4

TABLE A71 -

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY TWO-LANE, RURAL
 STATION NUMBER 21-66 LOCATION US 35; 2.6 mi. south of Winamac City Limit Sign
 NUMBER OF SESSIONS 1 DATES 8/8/79 VEHICLES MEASURED 440
 AVERAGE SPEED (MPH) 54.8 STANDARD DEVIATION 5.5
 MEDIAN SPEED (MPH) 54.7 85TH PERCENTILE SPEED (MPH) 59.9
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 48 60 MPH 14 65 MPH 2

TABLE A72

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	TWO-LANE	RURAL
STATION NUMBER	21-86	LOCATION US 41; 5.25 mi. north of west bank Wabash River
NUMBER OF SESSIONS	1	DATES 8/24/79, 9/18/79
AVERAGE SPEED (MPH)	54.6	STANDARD DEVIATION 5.9
MEDIAN SPEED (MPH)	54.2	85TH PERCENTILE SPEED (MPH) 59.2
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	41	60 MPH 15
		65 MPH 3

TABLE A73

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE	URBAN
STATION NUMBER	UI-6	LOCATION I-65: just east of White River
NUMBER OF SESSIONS	1	DATES 8/21/79 VEHICLES MEASURED 33
AVERAGE SPEED (MPH)	57.5	STANDARD DEVIATION 4.7
MEDIAN SPEED (MPH)	56.6	85TH PERCENTILE SPEED (MPH) 62.0
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	65	60 MPH 23 65 MPH 5

TABLE A74

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE, URBAN
STATION NUMBER	UI-1
LOCATION	I-94; 1st bridge west of Burr St. interchange
NUMBER OF SESSIONS	1
DATES	9/10/79
VEHICLES MEASURED	47
AVERAGE SPEED (MPH)	55.6
STANDARD DEVIATION	4.1
MEDIAN SPEED (MPH)	55.1
85TH PERCENTILE SPEED (MPH)	59.4
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	52
60 MPH	11
65 MPH	1

TABLE A75

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY INTERSTATE, URBAN
 STATION NUMBER UI-2 LOCATION I-65; 0.8 mi. south of US 30
 NUMBER OF SESSIONS 1 DATES 9/13/79 VEHICLES MEASURED 432
 AVERAGE SPEED (MPH) 57.4 STANDARD DEVIATION 4.7
 MEDIAN SPEED (MPH) 56.6 85TH PERCENTILE SPEED (MPH) 61.0
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 68 60 MPH 20 65 MPH 5

TABLE A76

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE	URBAN
STATION NUMBER	UI-4	LOCATION I-465, 100 yds. south of 34th St. bridge
NUMBER OF SESSIONS	1	DATES 8/23/79
		VEHICLES MEASURED 439
AVERAGE SPEED (MPH)	56.2	STANDARD DEVIATION 4.2
MEDIAN SPEED (MPH)	56.2	85TH PERCENTILE SPEED (MPH) 59.7
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	59	60 MPH 13
		65 MPH 1

TABLE A77

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY	INTERSTATE	RURAL
STATION NUMBER	RI-34	LOCATION 1-65; 1.3 mi. north of SR 267
NUMBER OF SESSIONS	1	DATES 9/7/79
AVERAGE SPEED (MPH)	58.2	STANDARD DEVIATION 4.6
MEDIAN SPEED (MPH)	58.3	85TH PERCENTILE SPEED (MPH) 63.0
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	83	60 MPH 34
		65 MPH 7

TABLE A78 -

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY	INTERSTATE, RURAL
STATION NUMBER	RI-35
LOCATION	I-74; 1.0 mi. east of SR 39
NUMBER OF SESSIONS	1
DATES	8/20/79
VEHICLES MEASURED	425
AVERAGE SPEED (MPH)	58.8
STANDARD DEVIATION	5.4
MEDIAN SPEED (MPH)	58.1
85TH PERCENTILE SPEED (MPH)	63.2
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	78
60 MPH	35
65 MPH	9

TABLE A79 -

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 41-14 LOCATION US 40; 0.9 mi. east of Cumberland City Limit Sign

NUMBER OF SESSIONS 1 DATES 9/11/79, 9/12/79 VEHICLES MEASURED 458

AVERAGE SPEED (MPH) 53.2 STANDARD DEVIATION 5.4

MEDIAN SPEED (MPH) 53.0 85TH PERCENTILE SPEED (MPH) 57.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH	<u>33</u>	60 MPH	<u>8</u>	65 MPH	<u>1</u>
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TABLE A80 -

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY _ _ _ _ _ MULTI-LANE, DIVIDED (RURAL) _ _ _ _ _
 STATION NUMBER _41-22_ LOCATION US 31; 2.9 mi. south of SR 26 _ _ _ _ _
 NUMBER OF SESSIONS _1_ DATES _8/9/79_ _ _ _ _ VEHICLES MEASURED _44_ _ _ _ _
 AVERAGE SPEED (MPH) _57.5_ STANDARD DEVIATION _5.1_
 MEDIAN SPEED (MPH) _56.7_ 85TH PERCENTILE SPEED (MPH) _61.9_
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH _ _ _ _ _ 63 _ _ _ _ _ 60 MPH _ _ _ _ _ 25 _ _ _ _ _ 65 MPH _ _ _ _ _ 5 _ _ _ _ _

TABLE A81

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY	TWO-LANE ₂ RURAL	
STATION NUMBER	2L-13	LOCATION SR 64; 2.05 mi. east of SR 37
NUMBER OF SESSIONS	1	DATES 8/14/79 VEHICLES MEASURED 257*
AVERAGE SPEED (MPH)	53.8	STANDARD DEVIATION 6.8
MEDIAN SPEED (MPH)	52.9	85TH PERCENTILE SPEED (MPH) 60.3
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	39	60 MPH 16 65 MPH 4

*Stopped due to dark skies and light rain. Some vehicles had lights on.

TABLE A82

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY TWO-LANE, RURAL
 STATION NUMBER 21-86 LOCATION US 41; 5.25 mi. north of west bank Wabash River
 NUMBER OF SESSIONS 1 DATES 8/24/79, 9/18/79 VEHICLES MEASURED 433
 AVERAGE SPEED (MPH) 54.0 STANDARD DEVIATION 5.5
 MEDIAN SPEED (MPH) 53.4 85TH PERCENTILE SPEED (MPH) 58.6
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 37 60 MPH 10 65 MPH 2

TABLE A83

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY ----- INTERSTATE, URBAN -----
STATION NUMBER UI-2A LOCATION I-65; 0.8 mi. south of US 30 -----
NUMBER OF SESSIONS 1 DATES 9/13/79 ----- VEHICLES MEASURED 427 -----
AVERAGE SPEED (MPH) 57.2 ----- STANDARD DEVIATION 4.2 -----
MEDIAN SPEED (MPH) 56.9 ----- 85TH PERCENTILE SPEED (MPH) 62.9 -----
PERCENTAGE OF VEHICLES EXCEEDING:
55 MPH ----- 68 ----- 60 MPH ----- 21 ----- 65 MPH ----- 2 -----

TABLE A84

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY INTERSTATE, URBAN
 STATION NUMBER UI-4A LOCATION I-465; 100 yds. south of 34th Street bridge
 NUMBER OF SESSIONS 1 DATES 8/23/79 VEHICLES MEASURED 430
 AVERAGE SPEED (MPH) 55.2 STANDARD DEVIATION 4.9
 MEDIAN SPEED (MPH) 54.8 85TH PERCENTILE SPEED (MPH) 59.5
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 49 60 MPH 13 65 MPH 2

COVER DESIGN BY ALDO GIORGINI