JOINT HIGHWAY RESEARCH PROJECT

FHWA/IN/JHRP-79-14

TRAFFIC SPEED REPORT NO. 109

R. P. Guenthner
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TRAFFIC SPEED REPORT NO. 109

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

September 5th, 1979

File: 8-3-3

FROM: R. P. Guenthner
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Project: C-36-10C

The attached Progress Report No. 109 on Traffic Speeds is the report of the April-June, 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. Guenthner, 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 first report which includes the analysis of the interim speed monitoring procedures which are required as a result of the Surface Transportation Act of 1978. Results of this indicate a statewide average of 62.3 per cent of the vehicles traveling above the 55 mph speed limit. This is well within the limits of 70 per cent required for the year ending September 30th, 1979 but not below the level of 60 per cent needed to qualify for an incentive grant.

Overall free flow results indicate average speeds are lower than they have been in the past two quarterly reports. The largest part of this reduction has been due to a decrease in passenger car speeds meaning that the respective speeds of passenger cars and trucks are closer than they have been in the past.

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,

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Interim Report
TRAFFIC SPEED REPORT NO. 109

by

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Project No.: C-36-10C

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and the

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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 Highway Administration

Purdue University
West Lafayette, Indiana
September 5th, 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 April-June 1979 quarter. This is the first report which includes the analysis of the interim speed monitoring procedures which are required as a result of the Surface Transportation Act of 1978. Results of this indicate a statewide average of 62.3 per cent of the vehicles traveling above the 55 mph speed limit. The overall free flow average speed of 57.2 mph represents a drop of 0.8 mph from the January-March 1979 quarter (Speed Report No. 108). Passenger cars and trucks showed drops of 0.9 mph and 0.5 mph respectively the same period. The average speed for passenger cars was only 0.5 mph higher than that for trucks. This compares with a difference of 0.8 mph, 1.1 mph, and 0.9 mph for the previous three quarters.			
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TRAFFIC SPEED REPORT NO. 109

This report is the first which includes the reporting of the interior 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 April-June 1979. All observations were made of vehicles on level, tangent sections of rural and urban highways during daylight and under favorable conditions. 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 two groups. The first group 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 is selected at random for each quarterly study. A total of fourteen 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 one primary control station and one random station for each highway classification. The site locations follow and are also 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-16	(I-70)	At bridge of SR 1
	RI-28	(I-80, I-90)	4.65 miles east of LaPorte exit.
		(Toll Road)	

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-1	(U. S. 41)	7.0 miles south of SR 64
	4L-16	(U. S. 52)	0.35 miles south of SR 47

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-16	(SR 3)	1.75 miles south of SR 46
2L-83	(U. S. 136)	2.85 miles west of SR 63

Urban Interstate Highways

+ * UI-6	(I-65)	East of White River Bridge
+ UI-8	(I-265)	1.45 miles north of I-64 Interchange

* Primary Control Stations.

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

FIGURE 1 LOCATIONS OF SPEED-STUDY STATIONS

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.

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

The value of n was 2 in all but 2 exceptions. The value of 3 was used in one case. A value of 1 was used at one station. If the nth vehicle speed could not be obtained, it was not recorded and the next nth 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 a following 15 minute period. 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.

Results of Analysis

The data collected were analyzed and are summarized in the Appendix. Tables A 1 through A 14 include the data for the free flow data on each individual station. Tables A 15 through A 18 summarize the free flow data by highway classification. Table A 19 is the summary for all highways. Tables A 20 through A 32 summarize the data taken using the "all vehicles" technique. Tables A 33 through A 56 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	57.2	59.6	56.3	56.4	57.1
Non-Indiana	59.0	59.2	56.7	56.4	58.3
All Passenger Cars	57.5	59.4	56.3	56.4	57.4
85 Percentile (all)	61.5	63.3	60.4	61.0	61.6
<u>Trucks:</u>					
Less than 5000 lbs.	57.5	58.1	55.6	55.7	56.4
5000 lbs. or more	57.0	59.5	56.1	55.2	57.1
<u>All Vehicles:</u>					
Average	57.4	59.3	56.2	56.0	57.2
85 Percentile	61.5	63.3	60.5	60.8	61.7

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	64.6	85.0	59.3	55.5	63.8
Non-Indiana	70.9	83.5	64.0	56.9	74.7
All Passenger Cars	65.4	84.2	59.9	55.7	66.5
<u>Trucks:</u>					
Less than 5000 lbs.	66.3	72.8	56.0	51.2	59.1
5000 lbs. or more	65.7	83.7	57.1	53.8	66.4
<u>All Vehicles:</u>	65.6	83.0	58.6	54.6	65.4

Table 3: Percent of Vehicles Exceeding 60 mph.

	<u>Interstate</u>		<u>Other</u>	<u>Two Lane</u>	<u>All</u>
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane Rural</u>	<u>Rural</u>	
<u>Passenger Cars:</u>					
Indiana	21.3	34.0	17.5	18.4	21.6
Non-Indiana	45.6	34.4	15.1	21.6	30.1
All Passenger Cars	24.5	34.2	17.2	18.9	23.7
<u>Trucks:</u>					
Less than 5000 lbs.	26.5	25.3	14.7	17.1	19.6
5000 lbs. or more	21.3	43.4	19.4	16.5	27.1
<u>All Vehicles:</u>	24.2	36.0	17.4	18.1	23.8

Table 4: Percent of Vehicles Exceeding 65 mph.

	<u>Interstate</u>		<u>Other</u>	<u>Two Lane</u>	<u>All</u>
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane Rural</u>	<u>Rural</u>	
<u>Passenger Cars:</u>					
Indiana	3.0	9.0	2.4	5.3	4.6
Non-Indiana	6.3	8.1	3.6	6.6	7.1
All Passenger Cars	3.4	8.5	2.5	5.5	5.2
<u>Trucks:</u>					
Less than 5000 lbs.	6.6	7.0	3.8	5.9	5.6
5000 lbs. or more	4.7	6.9	3.8	2.1	4.5
<u>All Vehicles:</u>	4.2	7.9	3.0	4.9	5.1

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

Table 5: Comparsion of the Overall Speed Results

	<u>April-June</u>	<u>Jan.-March</u>	<u>Oct.-Dec.</u>	<u>July-Sept.</u>
	1979	1979	1978	1978
<u>Average</u>				
All Passenger Cars	57.4	58.3	58.8	57.6
Heavy Trucks	57.1	57.5	57.8	57.3
All Trucks	56.9	57.4	57.7	56.8
<u>85 Percentile</u>				
All Passenger Cars	61.6	63.1	63.2	62.1
Heavy Trucks	62.2	63.2	62.9	62.2
All Trucks	61.9	63.0	62.7	61.7
<u>15 Percentile</u>				
Heavy Trucks	51.4	51.1	51.6	51.6

Table 6: Average Speeds On Interstate Highways (URBAN)

	April-June 1979	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978
<u>Passenger Cars:</u>				
Indiana	57.2	58.8	59.3	58.0
Non-Indiana	59.0	59.2	59.7	57.9
All Passenger Cars	57.5	58.8	59.3	58.0
85 Percentile (all)	61.5	62.6	62.9	62.1
<u>Trucks:</u>				
Less than 5000 lbs.	57.5	57.9	58.7	56.5
5000 lbs. or more	57.0	56.9	57.8	56.8

Table 7: Average Speeds On Interstate Highways (RURAL)

	April-June 1979	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978
<u>Passenger Cars:</u>				
Indiana	59.6	60.4	60.8	58.5
Non-Indiana	59.2	60.4	60.6	60.1
All Passenger Cars	59.4	60.4	60.7	59.2
85 Percentile (all)	63.3	64.5	64.7	63.1
<u>Trucks:</u>				
Less than 5000 lbs.	58.1	59.1	59.4	58.2
5000 lbs. or more	59.5	60.4	59.9	59.4

Table 8: Average Speed On Other Four-Lane Highways

	April-June 1979	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978
<u>Passenger Cars:</u>				
Indiana	56.3	56.8	57.8	56.9
Non-Indiana	56.7	58.1	59.5	57.5
All Passenger Cars	56.3	56.9	58.0	56.9
85 Percentile (all)	60.4	62.1	62.6	61.6
<u>Trucks:</u>				
Less than 5000 lbs.	55.6	56.4	56.9	55.4
5000 lbs. or more	56.1	56.2	58.3	56.2

Table 9: Average Speeds on Two-Lane Highways

	April-June 1979	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978
<u>Passenger Cars:</u>				
Indiana	56.4	57.3	57.3	56.4
Non-Indiana	56.4	58.8	58.3	56.2
All Passenger Cars	56.4	57.4	57.4	56.4
85 Percentile (all)	61.0	62.8	62.0	61.0
<u>Trucks:</u>				
Less than 5000 lbs.	55.7	56.8	56.6	55.0
5000 lbs. or more	55.2	55.3	54.9	55.5

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:	57.0
Median Speed:	56.5
85th Percentile:	61.7
Percent exceeding 60 mph:	24.4
Percent exceeding 65 mph:	5.4

Because this was the first study using the "all vehicles" technique for collecting data, no comparable figures are available from previous reports. However, the same weighting factors and conversion factors from this report were used to convert the figures from previous reports to represent weighted statewide averages. These are shown in table 12 for average speeds and the percent vehicles exceeding 55 mph. The percent vehicles exceeding 55 mph for each quarter is shown graphically in figure 2.

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	.99	1.00	.86	.83
Interstate, Rural		.99	1.00	1.00	1.01	1.10	1.22
4-Lane		1.00	1.01	1.00	1.00	.99	.93
2-Lane, Rural		.95	.99	.99	1.00	1.08	.94

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	62.7	10.3
Interstate, Rural	.251	81.8	20.5
4-Lane	.170	58.4	9.9
2-Lane	.414	52.1	21.6
Statewide Weighted Percent Exceeding 55 mph			62.3

* 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>
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

FIGURE: 2 TRENDS IN PERCENT VEHICLES EXCEEDING 55 mph

Conclusions

The overall results indicate that the vehicle speeds on Indiana highways have been lower during this quarter than they have been during the previous three quarters. All the speed statistics indicate a significant reduction in speeds during this quarter from the January-March 1979 quarter and the October-November 1978 quarter. The speeds are only slightly lower than they were during the July-September 1978 quarter.

The average free flow speed of 57.2 mph represents a drop of 0.8 mph from the previous quarter. All vehicle classifications likewise showed a slight drop in speeds. Passenger cars showed a larger decrease in speed of 0.9 mph as compared to 0.5 mph for trucks. The result of this is a smaller difference in speeds between passenger cars and trucks. The average speed for passenger cars was only 0.5 mph higher than that for trucks. This compares with 0.8 mph, 1.1 mph, and 0.9 mph for the previous three quarters.

The reduction in speed from the previous quarter to this quarter is fairly uniform among the various highway classifications. Speeds relating to all highway types showed a slight decrease.

The results of the analysis of the data taken using the "all vehicle" technique show that the computed conversion factors are all very close to 1.0. This infer that very little or no congestion has occurred at the sampled sections.

The statewide weighted percent of vehicles exceeding 55 mph was 62.3. This value is well within the limit of 70 per cent as required by FHWA by September 30th, 1979. However, it is higher than the 60 per cent level required for eligibility for an incentive grant.

A comparison of this value with those of the two previous quarters may indicate that it is rapidly falling. However, an examination of the graph shown in figure 2 shows that this drop may be just a seasonal adjustment. Actually the trend of the statewide compliance level has shown a slight increase (significant at the 0.1 level) over the past three years.

Unless some significant changes occur in the next year (e.g. increased enforcement) it does not statistically appear that the statewide compliance level will fall below 60 per cent.

APPENDIX

TABLE A-1. SPEED DATA Free Flow

STATION PI-6 HIGHWAY I-65 LOCATION 7.5 mil. north of S.R. 160

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER cloudy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)

DATE 6-7-79 DATE 4-5-79
 TIME 8:17-8:50 AM NB TIME 1:10-2:15 PM NB
 9:43-10:50 AM SB TIME 11:48 AM - 12:53 PM SB

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	ALL	PRES-	INDIANA	ALL	PRES-	INDIANA	ALL	PRES-	INDIANA	ALL	PRES-	INDIANA
OBSERVATION	LAST	ENT	LAST	LAST	ENT	LAST	LAST	ENT	LAST	LAST	ENT	LAST
NUMBER OF VEHICLES	300	242	214	184	58	147	147	181	6	500	17	500
AVE. SPEED (MPH)	60.20	60.58	60.70	60.87	59.81	60.90	58.82	58.82	59.82	58.13	58.13	59.82
STANDARD DEVIATION	6.27	4.70	4.41	4.82	4.02	4.816	4.445	4.445	4.609	4.620	4.620	4.620
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN												
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	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	6.7	7.0	6.1	6.5	8.6	8.2	8.2	12.8	1.2	17.6	1.2	17.6
59 MPH	38.7	43.5	35.3	43.5	51.7	40.1	58.6	50.0	10.0	64.2	10.0	64.2
64 MPH	82.7	79.3	82.7	77.2	86.2	78.2	87.3	86.7	86.7	86.8	86.7	86.8
69 MPH	97.3	95.5	96.7	94.6	98.3	95.9	99.4	96.7	96.7	100.0	95.4	96.7
74 MPH	92.7	92.2	92.5	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	NB											
NUMBER OF VEHICLES	156	120	113	82	38	77	60.60	59.08	59.10	34	45	58
AVERAGE SPEED	61.00	60.78	61.00	61.23	59.82	60.60	59.08	59.08	59.10	59.81	61.70	59.82
DIRECTION	SB											
NUMBER OF VEHICLES	144	122	101	102	20	70	58.55	58.55	60.60	34	42	58
AVERAGE SPEED	60.30	60.39	60.30	60.50	59.80	61.10	58.55	58.55	60.60	57.06	61.50	59.82

TABLE A-2 SPED DATA Free Flow

STATION	RI-21	HIGHWAY	I-69	LOCATION	1.6 miles south of S.R. 18	WEATHER	cloudy
NO. OF LANES	4	TYPE OF SURFACE	Asphalt	LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)			
THIS OBSERVATION							
DATE	5-22-79			DATE	3-14-79		
TIME	10:40-11:19 AM NB			TIME	11:15 AM - 12:24 PM NB		
	11:40 AM - 12:28 PM SB				12:42-1:48 PM SB		
PASSENGER CARS							
INDIANA				NON-INDIANA			
ALL	PRES-	LAST	ENT	ALL	PRES-	LAST	ENT
OBSERVATION							
NUMBER OF VEHICLES	238	271	132	162	102	189	155
AVE. SPEED (MPH)	59.40	59.48	59.70	59.24	59.00	58.90	58.17
STANDARD DEVIATION	4.709	4.099	5.022	4.251	4.451	4.993	4.487
24 MPH	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0
44 MPH	4	0	0	0	0	5	0
49 MPH	2	0	0	0	0	3	0
54 MPH	13	8	13	8	9	16	3
59 MPH	45	26	46	32	32	52	2
64 MPH	88	87	85	86	86	87	1
69 MPH	97	97	95	97	98	99	4
74 MPH	100	99	100	100	99	100	0
79 MPH	100	100	100	100	100	100	0
84 MPH	100	100	100	100	100	100	0
89 MPH	100	100	100	100	100	100	0
DIRECTION	NB						
NUMBER OF VEHICLES	112	139	62	87	52	101	74
AVERAGE SPEED	60.40	60.09	61.50	60.38	60.12	60.20	60.38
DIRECTION	SB						
NUMBER OF VEHICLES	126	132	77	82	50	68	81
AVERAGE SPEED	58.60	58.83	58.70	58.35	59.62	57.30	57.84

TRUCKS

INDIANA				NON-INDIANA			
ALL	PRES-	LAST	ENT	ALL	PRES-	LAST	ENT
NUMBER OF VEHICLES	31	31	31	31	31	31	31
AVE. SPEED (MPH)	58.20	58.17	58.20	58.20	58.17	58.20	58.17
STANDARD DEVIATION	4.417	4.417	4.417	4.417	4.417	4.417	4.417
24 MPH	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	0
54 MPH	0	0	0	0	0	0	0
59 MPH	0	0	0	0	0	0	0
64 MPH	0	0	0	0	0	0	0
69 MPH	0	0	0	0	0	0	0
74 MPH	0	0	0	0	0	0	0
79 MPH	0	0	0	0	0	0	0
84 MPH	0	0	0	0	0	0	0
89 MPH	0	0	0	0	0	0	0
DIRECTION	NB						
NUMBER OF VEHICLES	31	31	31	31	31	31	31
AVERAGE SPEED	58.20	58.17	58.20	58.20	58.17	58.20	58.17
DIRECTION	SB						
NUMBER OF VEHICLES	31	31	31	31	31	31	31
AVERAGE SPEED	58.20	58.17	58.20	58.20	58.17	58.20	58.17

 

STATION 4L-17 HIGHWAY U.S. 52 LOCATION 150' east of CR 475 N, Tippecanoe County

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

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)

DATE 5-14-79 DATE 3-12-79
 TIME 9:12-10:48 AM LER TIME 12:27 PM-1:56 PM ER
 1:20-2:48 PM WB 9:45-11:39 AM WB

										PASSENGER CARS										TRUCKS									
										ALL					INDIANA					ALL					INDIANA				
										PRES-		FRES-		FRES-		PRES-		FRES-		PRES-		FRES-		PRES-		FRES-		PRES-	
										ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST
OBSERVATION										272	279	272	272	272	272	272	272	272	272	272	272	272	272	272	272	272	272	272	272
NUMBER OF VEHICLES										243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243
AVE. SPEED (MPH)										56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09	56.09
STANDARD DEVIATION										5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409	5.409
-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										1.5	3.6	1.5	3.6	1.5	3.6	1.5	3.6	1.5	3.6	1.5	3.6	1.5	3.6	1.5	3.6	1.5	3.6	1.5	3.6
-49 MPH										13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7	13.2	9.7
-54 MPH										35.3	29.7	35.3	29.7	35.3	29.7	35.3	29.7	35.3	29.7	35.3	29.7	35.3	29.7	35.3	29.7	35.3	29.7	35.3	29.7
-59 MPH										74.2	71.7	74.2	71.7	74.2	71.7	74.2	71.7	74.2	71.7	74.2	71.7	74.2	71.7	74.2	71.7	74.2	71.7	74.2	71.7
-64 MPH										96.7	95.2	96.7	95.2	96.7	95.2	96.7	95.2	96.7	95.2	96.7	95.2	96.7	95.2	96.7	95.2	96.7	95.2	96.7	95.2
-69 MPH										92.3	98.2	92.3	98.2	92.3	98.2	92.3	98.2	92.3	98.2	92.3	98.2	92.3	98.2	92.3	98.2	92.3	98.2	92.3	98.2
-74 MPH										99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0
-79 MPH										99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0
-84 MPH										99.6	100.0	99.6	100.0	99.6	100.0	99.6	100.0	99.6	100.0	99.6	100.0	99.6	100.0	99.6	100.0	99.6	100.0	99.6	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	100.0
DIRECTION										BB	BB	BB	BB	BB	BB	BB	BB	BB	BB	BB	BB	BB	BB	BB	BB	BB	BB	BB	BB
NUMBER OF VEHICLES										135	150	135	150	135	150	135	150	135	150	135	150	135	150	135	150	135	150	135	150
AVERAGE SPEED										56.80	56.90	56.80	56.90	56.80	56.90	56.80	56.90	56.80	56.90	56.80	56.90	56.80	56.90	56.80	56.90	56.80	56.90	56.80	56.90
DIRECTION										WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB
NUMBER OF VEHICLES										137	125	137	125	137	125	137	125	137	125	137	125	137	125	137	125	137	125	137	125
AVERAGE SPEED										55.39	56.00	55.39	56.00	55.39	56.00	55.39	56.00	55.39	56.00	55.39	56.00	55.39	56.00	55.39	56.00	55.39	56.00	55.39	56.00

TABLE A6 --- SPEED DATA Free Flow

STATION 4L-22 HIGHWAY U.S. 30 LOCATION 2.9 miles west of Manarah City Limit sign

NO. OF LANES 4 TYPE OF SURFACE asphalt WEATHER hazy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)

DATE 5-17-79 DATE 4-6-79

TIME 1:57:3.05 PM EB TIME 12:15-1:25 PM EB

10:53AM - 12:15PM WB 10:35-11:45 AM WB

PASSENGER CARS										TRUCKS									
ALL					INDIANA					NON-INDIANA					ALL				
PRES-					FRES-					PRES-					PRES-				
OBSERVATION	LAST	ENI	LAST	ENI	OBSERVATION	LAST	ENI	LAST	ENI	OBSERVATION	LAST	ENI	LAST	ENI	OBSERVATION	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	230	215	180	161	50	54	109	220	64	42	132	172	172	172	5500	LES-	2500	LES-	2500
AVERAGE SPEED (MPH)	52.30	52.44	52.20	52.20	52.20	52.20	52.40	56.65	57.50	57.00	57.40	56.52	57.40	56.52	57.00	57.00	57.00	57.00	56.52
STANDARD DEVIATION	4.85	5.05	4.86	5.20	4.86	4.86	5.20	5.01	6.48	5.91	5.15	4.78	5.15	4.78	5.15	5.15	5.15	5.15	4.78
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	4	2	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6
49 MPH	12	6	12	7.5	12	7.5	12	7.5	12	7.5	12	7.5	12	7.5	12	7.5	12	7.5	12
54 MPH	14.8	23.3	15.0	25.5	14.0	16.7	26.1	27.3	26.6	27.9	25.9	27.1	25.9	27.1	25.9	27.1	25.9	27.1	25.9
59 MPH	27.6	76.7	27.2	66.5	28.0	67.3	66.5	74.1	68.3	74.4	68.3	74.4	68.3	74.4	68.3	74.4	68.3	74.4	68.3
64 MPH	86.5	94.9	86.7	94.4	86.0	96.3	90.5	94.1	85.9	94.7	92.6	94.0	92.6	94.0	92.6	94.0	92.6	94.0	92.6
69 MPH	97.0	97.7	97.2	98.1	96.0	96.3	98.5	99.5	96.9	97.7	99.3	100.0	99.3	100.0	99.3	100.0	99.3	100.0	99.3
74 MPH	99.6	99.1	99.4	99.4	100.0	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB																		
NUMBER OF VEHICLES	114	102	82	81	23	24	113	104	30	25	73	79	73	79	25	25	25	25	25
AVERAGE SPEED	60.50	56.90	60.50	56.88	60.80	57.00	59.40	57.20	60.50	57.24	59.20	57.10	59.20	57.10	57.24	57.24	57.24	57.24	57.10
DIRECTION	WB																		
NUMBER OF VEHICLES	116	110	51	80	25	30	96	116	34	18	62	58	62	58	18	18	18	18	18
AVERAGE SPEED	58.10	57.95	58.10	57.67	58.50	58.70	55.20	56.16	54.80	56.67	55.40	56.57	55.40	56.57	56.67	56.67	56.67	56.67	56.57

TABLE 7. SPEED DATA Free Flow

STATION 41-1 HIGHWAY U.S. 41 LOCATION 7.0 miles south of S.R. 64

NO. OF LANES 4 TYPE OF SURFACE asphalt WEATHER hazy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 6-5-79

DATE

TIME 2:50-3:54 PM WB

TIME

11:54-12:58 PM WB

PASSENGER CARS TRUCKS

	ALL			INDIANA			NON-INDIANA			ALL			<5000 LBS.			>5000 LBS.		
	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST
OBSERVATION																		
NUMBER OF VEHICLES	0	254	0	0	205	0	0	49	0	176	0	0	0	75	0	0	0	0
AVERAGE SPEED (MPH)	0	56.23	0	0	56.32	0	0	55.86	0	56.91	0	0	0	56.21	0	0	0	0
STANDARD DEVIATION	0	4.639	0	0	4.734	0	0	4.243	0	5.556	0	0	0	5.189	0	0	0	0
24 MPH	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
34 MPH	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
44 MPH	0	8	0	0	1	0	0	0	0	4	0	0	0	2	0	0	0	0
49 MPH	0	6.23	0	0	7.83	0	0	0	0	8	0	0	0	5.3	0	0	0	0
54 MPH	0	31.5	0	0	29.3	0	0	40.8	0	27.8	0	0	0	34.7	0	0	0	0
59 MPH	0	79.1	0	0	78.6	0	0	83.2	0	71.6	0	0	0	80.0	0	0	0	0
64 MPH	0	96.1	0	0	96.6	0	0	93.9	0	90.2	0	0	0	93.0	0	0	0	0
69 MPH	0	93.6	0	0	92.3	0	0	100.0	0	100.0	0	0	0	100.0	0	0	0	0
74 MPH	0	100.0	0	0	100.0	0	0	100.0	0	100.0	0	0	0	100.0	0	0	0	0
79 MPH	0	100.0	0	0	100.0	0	0	100.0	0	100.0	0	0	0	100.0	0	0	0	0
84 MPH	0	100.0	0	0	100.0	0	0	100.0	0	100.0	0	0	0	100.0	0	0	0	0
89 MPH	0	100.0	0	0	100.0	0	0	100.0	0	100.0	0	0	0	100.0	0	0	0	0
DIRECTION																		
NUMBER OF VEHICLES	0	125	0	0	101	0	0	24	0	88	0	0	0	40	0	0	0	0
AVERAGE SPEED	0	56.79	0	0	56.94	0	0	56.17	0	57.68	0	0	0	56.22	0	0	0	0
DIRECTION																		
NUMBER OF VEHICLES	0	129	0	0	124	0	0	25	0	88	0	0	0	35	0	0	0	0
AVERAGE SPEED	0	55.68	0	0	55.71	0	0	55.56	0	56.14	0	0	0	56.20	0	0	0	0

TABLE A-9 SPEED DATA Free Flow

STATION 2L-15 HIGHWAY U.S. 35

LOCATION 2.4 miles east of L-69

NO. OF LANES 2

TYPE OF SURFACE asphalt

WEATHER cloudy

THIS OBSERVATION

DATE 5-22-79

TIME 1:35-3:06 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)

DATE 4-3-79

TIME 10:20 AM - 12:40 PM

										PASSENGER CARS										TRUCKS										
										ALL					INDIANA					ALL					INDIANA					
										PRE-	ENI	LAST	PRE-	ENI	LAST	PRE-	ENI	LAST	PRE-	ENI	LAST	PRE-	ENI	LAST	PRE-	ENI	LAST	PRE-	ENI	LAST
OBSERVATION	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	PRE-	ENI	LAST	PRE-	ENI	LAST	PRE-	ENI	LAST	PRE-	ENI	LAST	PRE-	ENI	LAST	PRE-	ENI	LAST	PRE-	ENI	
NUMBER OF VEHICLES	248	276	236	219	12	57	178	148	86	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57		
AVE. SPEED (MPH)	58.00	56.54	57.50	56.33	59.20	57.33	56.60	55.67	57.70	56.56	56.33	56.60	55.67	57.70	56.56	55.70	56.56	55.67	57.70	56.56	55.70	56.56	55.67	57.70	56.56	55.70	56.56	55.70		
STANDARD DEVIATION	5.575	4.563	5.616	4.466	4.840	4.875	5.874	5.399	5.626	6.234	5.959	5.626	6.234	5.959	5.626	6.234	5.959	5.626	6.234	5.959	5.626	6.234	5.959	5.626	6.234	5.959	5.626	6.234		
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	0	0	0	0		
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		
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		
44 MPH	8	7	8	9	0	0	1	2	0	0	0	1	2	0	0	0	1	2	0	0	0	1	2	0	0	0	1	2		
49 MPH	4	6	4	3	0	0	1	2	0	0	0	1	2	0	0	0	1	2	0	0	0	1	2	0	0	0	1	2		
54 MPH	25	30	25	31	25	26	34	35	1	1	3	11	10	1	1	3	11	10	1	1	3	11	10	1	1	3	11	10		
59 MPH	62	77	64	72	64	70	69	81	2	2	2	34	35	1	1	2	34	35	1	1	2	34	35	1	1	2	34	35		
64 MPH	89	96	89	96	96	94	93	93	3	3	2	93	93	3	3	2	93	93	3	3	2	93	93	3	3	2	93	93		
69 MPH	95	92	96	92	100	98	98	98	2	2	2	98	98	2	2	2	98	98	2	2	2	98	98	2	2	2	98	98		
74 MPH	99	99	99	99	100	100	100	100	0	0	0	100	100	0	0	0	100	100	0	0	0	100	100	0	0	0	100	100		
79 MPH	100	100	100	100	100	100	100	100	0	0	0	100	100	0	0	0	100	100	0	0	0	100	100	0	0	0	100	100		
84 MPH	100	100	100	100	100	100	100	100	0	0	0	100	100	0	0	0	100	100	0	0	0	100	100	0	0	0	100	100		
89 MPH	100	100	100	100	100	100	100	100	0	0	0	100	100	0	0	0	100	100	0	0	0	100	100	0	0	0	100	100		
DIRECTION	FB																													
NUMBER OF VEHICLES	128	139	123	106	5	33	89	72	48	24	33	56	55	31	24	33	56	55	31	24	33	56	55	31	24	33	56	55		
AVERAGE SPEED	57.50	56.50	57.40	56.10	58.40	57.79	56.20	55.31	57.50	55.42	57.79	56.20	55.31	57.50	55.42	57.79	56.20	55.31	57.50	55.42	57.79	56.20	55.31	57.50	55.42	57.79	56.20	55.31		
DIRECTION	WB																													
NUMBER OF VEHICLES	120	137	113	113	7	24	89	76	38	33	24	57	56	01	33	24	57	56	01	33	24	57	56	01	33	24	57	56		
AVERAGE SPEED	58.50	56.57	58.40	56.54	59.70	56.71	57.00	56.01	57.50	57.39	56.71	57.00	56.01	57.50	57.39	56.71	57.00	56.01	57.50	57.39	56.71	57.00	56.01	57.50	57.39	56.71	57.00	56.01		

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OBSERVATION	ALL		PASSENGER CARS		NON-INDIANA		INDIANA		TRUCKS		LE	
	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	251	242	211	231	40	14	181	86	95	56	33	56
AVERAGE SPEED (MPH)	57.70	57.55	57.40	57.03	59.70	57.36	56.70	57.90	58	56.08	56.33	56.5
STANDARD DEVIATION	5.838	5.451	5.355	5.411	7.707	6.283	6.193	6.172	6	6.198	6	5.5
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	4	0	4	0	0	0	0	0	0	0	0
44 MPH	4	16	4	1	2	0	2	0	1	1	1	1
49 MPH	6	6	2	6	2	7	11	0	2	2	2	2
54 MPH	28	30	5	30	20	35	37	31	4	35	3	3
59 MPH	64	68	4	68	40	64	66	61	4	76	4	4
64 MPH	88	91	6	92	82	85	89	86	6	91	6	6
69 MPH	97	98	6	98	95	100	97	93	9	97	9	9
74 MPH	99	100	5	100	97	100	100	100	10	100	10	10
79 MPH	99	100	5	100	97	100	100	100	10	100	10	10
84 MPH	99	100	5	100	97	100	100	100	10	100	10	10
89 MPH	100	100	5	100	100	100	100	100	10	100	10	10
DIRECTION	NB											
NUMBER OF VEHICLES	122	100	122	103	20	3	99	46	53	44	53	56
AVERAGE SPEED	57.60	56.95	56.80	57.26	61.70	53.33	57.20	59.00	56	56.92	55.6	56
DIRECTION	SB											
NUMBER OF VEHICLES	129	139	109	128	20	11	82	40	42	45	42	46
AVERAGE SPEED	57.80	57.12	57.90	57.01	57.70	58.45	56.00	56.60	55	56.77	55.5	56

TABLE A12 -- SPEED DATA Free Flow

STATION 2L-83 HIGHWAY U.S. 136 LOCATION 2.85 miles west of S.R. 63

NO. OF LANES 2 TYPE OF SURFACE asphalt WEATHER sunny

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 6-11-79 DATE
TIME 9:56 AM -- 1:05 PM TIME

PASSENGER CARS										TRUCKS																						
INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.												
ALL		PRES-		ENT	LAST		ENT	LAST		PRES-		ENT	LAST		PRES-		ENT	LAST		PRES-		ENT	LAST		PRES-		ENT	LAST		PRES-		ENT
OBSERVATION		LAST		ENT	LAST		ENT	LAST		PRES-		ENT	LAST		PRES-		ENT	LAST		PRES-		ENT	LAST		PRES-		ENT	LAST		PRES-		ENT
NUMBER OF VEHICLES		300		216	0		84	0		160		93	0		160		93	0		160		93	0		160		93	0		160		93
AVE. SPEED (MPH)		56.39		56.67	0		55.67	0		55.10		55.01	0		55.67		55.01	0		55.67		55.01	0		55.67		55.01	0		55.67		55.01
STANDARD DEVIATION		6.581		6.561	0		6.619	0		5.892		5.472	0		5.892		5.472	0		5.892		5.472	0		5.892		5.472	0		5.892		5.472
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		0	0		0	0		0		0	0		0		0	0		0		0	0		0		0	0		0		0
NUMBER OF VEHICLES		142		142	0		46	0		82		46	0		82		46	0		82		46	0		82		46	0		82		46
AVERAGE SPEED		56.54		56.83	0		55.89	0		55.82		55.82	0		55.82		55.82	0		55.82		55.82	0		55.82		55.82	0		55.82		55.82
DIRECTION		WB		0	0		0	0		0		0	0		0		0	0		0		0	0		0		0	0		0		0
NUMBER OF VEHICLES		151		112	0		38	0		78		47	0		78		47	0		78		47	0		78		47	0		78		47
AVERAGE SPEED		56.23		56.51	0		55.39	0		54.36		54.83	0		54.36		54.83	0		54.36		54.83	0		54.36		54.83	0		54.36		54.83

STATION --UI-6-- HIGHWAY --I-65-- LOCATION --just east of White River--
NO. OF LANES --6-- TYPE OF SURFACE --concrete-- WEATHER --clear--
THIS OBSERVATION
DATE 5-21-79
TIME 10:02-10:40 AM EB
12:50-1:25 PM WB
LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 108)
DATE 3-27-79
TIME 10:13-11:01 AM EB
11:14-11:50 AM WB

										PASSENGER CARS										TRUCKS																		
										INDIANA					NON-INDIANA					ALL					PRES-													
										LAST		ENI		PRES-		LAST		ENI		PRES-		LAST		ENI		PRES-		LAST		ENI								
										ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST							
OBSERVATION										273	256	289	17	71	149	71	161	75	82	75	82	75	82	75	82	75	82	75	82	75	82	75	82	75	82			
NUMBER OF VEHICLES										260	256	273	256	289	17	71	149	71	161	75	82	75	82	75	82	75	82	75	82	75	82	75	82					
AVE. SPEED (MPH)										57.92	58.20	57.55	59.50	52.42	57.10	57.96	58.10	58.81	58.10	58.81	58.10	58.81	58.10	58.81	58.10	58.81	58.10	58.81	58.10	58.81	58.10	58.81	58.10	58.81				
STANDARD DEVIATION										4.270	4.485	3.877	4.926	5.368	4.559	4.435	4.124	5.061	4.324	4.660	4.324	4.660	4.324	4.660	4.324	4.660	4.324	4.660	4.324	4.660	4.324	4.660	4.324	4.660				
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	0	0			
29 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		
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		
44 MPH										2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
49 MPH										17	31	17	17	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
54 MPH										20	17	20	17	20	17	20	17	20	17	20	17	20	17	20	17	20	17	20	17	20	17	20	17	20	17	20	17	20
59 MPH										67	61	72	52	67	61	72	52	67	61	72	52	67	61	72	52	67	61	72	52	67	61	72	52	67	61	72		
64 MPH										93	93	97	94	97	94	97	94	97	94	97	94	97	94	97	94	97	94	97	94	97	94	97	94	97	94	97		
69 MPH										99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
74 MPH										99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99		
79 MPH										99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99		
84 MPH										100	100	100	100	100	100	100	100	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	100	100	100	100	100	100	100	100	
DIRECTION --PB--										136	136	147	6	40	74	28	41	33	37	37	41	33	37	41	33	37	41	33	37	41	33	37	41	33	37	41	33	
NUMBER OF VEHICLES										58.40	58.40	57.67	57.70	60.22	57.30	58.31	58.00	59.17	56.30	57.25	59.17	56.30	57.25	59.17	56.30	57.25	59.17	56.30	57.25	59.17	56.30	57.25	59.17	56.30	57.25			
AVERAGE SPEED										137	126	142	11	31	75	83	41	34	36	34	41	36	34	41	36	34	41	36	34	41	36	34	41	36	34			
DIRECTION --WB--										58.30	58.10	57.44	60.50	58.65	57.00	57.64	58.10	58.38	55.60	57.12	58.38	55.60	57.12	58.38	55.60	57.12	58.38	55.60	57.12	58.38	55.60	57.12	58.38	55.60	57.12	58.38	55.60	
NUMBER OF VEHICLES										173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173
AVERAGE SPEED										57.65	57.65	57.44	60.50	58.65	57.00	57.64	58.10	58.38	55.60	57.12	58.38	55.60	57.12	58.38	55.60	57.12	58.38	55.60	57.12	58.38	55.60	57.12	58.38	55.60	57.12	58.38	55.60	

TABLE A14. SPEED DATA Free Flow

STATION UI-8 HIGHWAY I-265 LOCATION 1.45 miles north of I-64

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER hazy, cloudy

THIS CEASERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE 6-679 DATE
 TIME 12:58-2:22 PM NB TIME
9:12-10:20 AM SB

TRUCKS

OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	PRES-	ENT-	LAST	PRES-	ENT-	LAST	PRES-	ENT-	LAST	PRES-	ENT-	LAST
NUMBER OF VEHICLES	C 253	C 245	C 245	C 245	C 245	C 245	C 245	C 245	C 245	C 245	C 245	C 245
AVERAGE SPEED (MPH)	C 56.81	C 56.81	C 56.81	C 56.81	C 56.81	C 56.81	C 56.81	C 56.81	C 56.81	C 56.81	C 56.81	C 56.81
STANDARD DEVIATION	C 4.914	C 4.914	C 4.914	C 4.914	C 4.914	C 4.914	C 4.914	C 4.914	C 4.914	C 4.914	C 4.914	C 4.914
24 MPH	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0
29 MPH	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0
34 MPH	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0
39 MPH	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0
44 MPH	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0
49 MPH	C 4.7	C 4.7	C 4.7	C 4.7	C 4.7	C 4.7	C 4.7	C 4.7	C 4.7	C 4.7	C 4.7	C 4.7
54 MPH	C 32.4	C 32.4	C 32.4	C 32.4	C 32.4	C 32.4	C 32.4	C 32.4	C 32.4	C 32.4	C 32.4	C 32.4
59 MPH	C 72.4	C 72.4	C 72.4	C 72.4	C 72.4	C 72.4	C 72.4	C 72.4	C 72.4	C 72.4	C 72.4	C 72.4
64 MPH	C 94.5	C 94.5	C 94.5	C 94.5	C 94.5	C 94.5	C 94.5	C 94.5	C 94.5	C 94.5	C 94.5	C 94.5
69 MPH	C 98.8	C 98.8	C 98.8	C 98.8	C 98.8	C 98.8	C 98.8	C 98.8	C 98.8	C 98.8	C 98.8	C 98.8
74 MPH	C 99.2	C 99.2	C 99.2	C 99.2	C 99.2	C 99.2	C 99.2	C 99.2	C 99.2	C 99.2	C 99.2	C 99.2
79 MPH	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
84 MPH	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
89 MPH	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 NB

NUMBER OF VEHICLES	C 140	C 137	C 137	C 137	C 137	C 137	C 137	C 137	C 137	C 137	C 137	C 137
AVERAGE SPEED	C 57.23	C 57.23	C 57.23	C 57.23	C 57.23	C 57.23	C 57.23	C 57.23	C 57.23	C 57.23	C 57.23	C 57.23
DIRECTION SB												
NUMBER OF VEHICLES	C 113	C 108	C 108	C 108	C 108	C 108	C 108	C 108	C 108	C 108	C 108	C 108
AVERAGE SPEED	C 56.30	C 56.30	C 56.30	C 56.30	C 56.30	C 56.30	C 56.30	C 56.30	C 56.30	C 56.30	C 56.30	C 56.30

STATION -- 41ALL --- HIGHWAY 4-lane_rural LOCATION --- see_individual_stations

NO. OF LANES ----- TYPE OF SURFACE ----- WEATHER -----

THIS CFSEVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE May-June, 1979
TIME -----

PASSENGER CARS										TRUCKS																			
INDIANA					NON-INDIANA					ALL					INDIANA					NON-INDIANA					ALL				
LAST		FIR		LAST		FIR		LAST		FIR		LAST		FIR		LAST		FIR		LAST		FIR		LAST		FIR			
OBSERVATION										OBSERVATION										OBSERVATION									
NUMBER OF VEHICLES										NUMBER OF VEHICLES										NUMBER OF VEHICLES									
AVE. SPEED (MPH)										AVE. SPEED (MPH)										AVE. SPEED (MPH)									
STANDARD DEVIATION										STANDARD DEVIATION										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	0	0			
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			

TABLE A18. SPEED DATA Free Flow

STATION		U1ALL	HIGHWAY	urban	interstate	LOCATION	see individual stations	
NO. OF LANES		TYPE OF SURFACE		WEATHER		LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)		
THIS OBSERVATION		DATE		TIME		DATE		
		TIME						

STATION _ALL_ _HIGHWAY Indiana System LOCATION _see individual stations_

NO. OF LANES _TYPE OF SURFACE_ WEATHER

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

DATE May-June, 1979

TIME

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-
OBSERVATION												
NUMBER OF VEHICLES	3811	0	2882	0	929	0	2320	0	910	0	25120	1410
AVE. SPEED (MPH)	57.39	0	57.09	0	58.30	0	56.86	0	56.42	0	57.14	57.14
STANDARD DEVIATION	5.207	0	5.275	0	4.881	0	5.683	0	5.562	0	5.744	5.744
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
28 MPH	0	0	0	0	0	0	0	0	0	0	0	0
32 MPH	0	1	0	0	0	0	0	0	0	0	0	1
36 MPH	0	3	0	0	2	0	0	0	0	0	0	1
40 MPH	1.33	0	1.66	0	2.9	0	2.9	0	2.4	0	3.2	3.2
44 MPH	5.6	0	6.5	0	19.6	0	8.7	0	9.0	0	13.2	13.2
48 MPH	25.8	0	27.9	0	62.9	0	28.8	0	32.9	0	35.2	35.2
52 MPH	68.7	0	70.4	0	90.9	0	62.9	0	75.6	0	82.8	82.8
56 MPH	92.7	0	93.2	0	90.9	0	92.4	0	91.8	0	92.8	92.8
60 MPH	98.4	0	98.2	0	98.8	0	99.2	0	99.0	0	99.9	99.9
64 MPH	99.4	0	99.4	0	99.5	0	99.7	0	99.6	0	99.9	99.9
68 MPH	99.8	0	99.8	0	99.9	0	100.0	0	100.0	0	100.0	100.0
72 MPH	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	100.0
76 MPH	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	100.0
80 MPH	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	100.0

PERCENT
OF
VEHICLES
TRAVELING
AT OR
LESS THAN

TABLE A 22 SPEED DATA Every Second Vehicle

STATION 41-22

HIGHWAY U.S. 30

LOCATION 2.9 miles west of Wanatah City Limit sign

NO. OF LANES 4

TYPE OF SURFACE asphalt

WEATHER hazy

THIS OBSERVATION

DATE 5-17-79

TIME 3:35-3:30 PM EB

10:53 AM - 1:05 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	ALL	PRES-	INDIANA	ALL	PRES-	INDIANA	ALL	PRES-	INDIANA	ALL	PRES-	INDIANA
OBSERVATION	LAST	ENI	LAST	LAST	ENI	LAST	LAST	ENI	LAST	LAST	ENI	LAST
NUMBER OF VEHICLES	1	259	195	0	64	0	0	183	0	0	51	0
AVERAGE SPEED (MPH)	0	56.86	56.29	0	58.58	0	0	56.55	0	57.22	0	56.30
STANDARD DEVIATION	0	4.470	4.212	0	4.817	0	0	4.925	0	5.994	0	4.444
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	1.2	2.1	0	0	0	0	1.5	0	2.0	0	0
49 MPH	0	4.2	5.6	0	0	0	0	7.7	0	9.8	0	0
54 MPH	0	27.4	30.8	0	17.2	0	0	32.8	0	29.4	0	34.8
59 MPH	0	78.4	81.7	0	70.3	0	0	75.4	0	66.7	0	78.8
64 MPH	0	95.4	97.9	0	87.3	0	0	93.6	0	92.2	0	97.0
69 MPH	0	98.8	100.0	0	95.3	0	0	98.4	0	94.1	0	100.0
74 MPH	0	99.6	100.0	0	98.4	0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	100.0	0	100.0	0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	100.0	0	100.0	0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	100.0	0	100.0	0	0	100.0	0	100.0	0	100.0
DIRECTION	EB											
NUMBER OF VEHICLES	0	139	103	0	36	0	0	76	0	26	0	50
AVERAGE SPEED	0	56.48	55.99	0	57.89	0	0	57.57	0	57.08	0	57.82
DIRECTION	WB											
NUMBER OF VEHICLES	0	120	92	0	28	0	0	107	0	25	0	82
AVERAGE SPEED	0	57.29	56.63	0	59.46	0	0	55.83	0	57.36	0	55.37

TABLE A 23 SPEED DATA Every Second Vehicle

STATION 41-1 HIGHWAY U.S. 41 LOCATION 7 miles south of S.R. 64

NO. OF LANES 4 TYPE OF SURFACE asphalt WEATHER hazy

THIS OBSERVATION DATE 6-5-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

TIME 3:24-4:38 PM NB DATE

12:27-2:08 PM SB TIME

	PASSENGER CARS				NON-INDIANA				TRUCKS			
	ALL	PRES-	ENI	LAST	ALL	PRES-	ENI	LAST	ALL	PRES-	ENI	LAST
OBSERVATION												
NUMBER OF VEHICLES	C	265	C	229	C	229	C	36	C	160	C	81
AVERAGE SPEED (MPH)	C	55.90	C	55.83	C	56.33	C	56.22	C	56.22	C	55.83
STANDARD DEVIATION	C	4.597	C	4.728	C	4.728	C	3.680	C	4.924	C	4.058
24 MPH	C	0	C	0	C	0	C	0	C	0	C	0
29 MPH	C	0	C	0	C	0	C	0	C	0	C	0
34 MPH	C	0	C	0	C	0	C	0	C	0	C	0
39 MPH	C	4	C	4	C	4	C	0	C	0	C	0
44 MPH	C	8	C	2	C	2	C	0	C	0	C	0
49 MPH	C	6	C	6	C	6	C	0	C	6	C	1
54 MPH	C	39	C	40	C	33	C	2	C	29	C	8
59 MPH	C	81	C	81	C	80	C	6	C	71	C	3
64 MPH	C	97	C	96	C	97	C	2	C	96	C	7
69 MPH	C	92	C	92	C	92	C	0	C	98	C	0
74 MPH	C	99	C	99	C	99	C	0	C	99	C	0
79 MPH	C	100	C	100	C	100	C	0	C	99	C	0
84 MPH	C	100	C	100	C	100	C	0	C	100	C	0
89 MPH	C	100	C	100	C	100	C	0	C	100	C	0
DIRECTION												
NUMBER OF VEHICLES	C	130	C	114	C	114	C	16	C	82	C	43
AVERAGE SPEED	C	56.22	C	56.23	C	56.23	C	56.12	C	57.28	C	56.60
DIRECTION												
NUMBER OF VEHICLES	C	135	C	115	C	115	C	20	C	78	C	38
AVERAGE SPEED	C	55.60	C	55.44	C	55.44	C	56.30	C	56.69	C	54.95

STATION 2L-54 HIGHWAY U.S. 231 LOCATION 1.1 miles south of S.R. 234 Every Second Vehicle (first 1/2 hour)
 NO. OF LANES 2 TYPE OF SURFACE asphalt WEATHER sunny Every Vehicle, Separate Lane (15 min. intervals)

THIS OBSERVATION DATE 5-15-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 TIME 10:26 AM - 4:20 PM

		PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
		ALL	PRES-	INDIANA	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-
OBSERVATION	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST
NUMBER OF VEHICLES	296	275	0	21	0	127	0	0	127	0	0	0	0
AVE. SPEED (MPH)	56.57	56.59	0	56.33	0	54.48	0	0	54.75	0	0	0	0
STANDARD DEVIATION	5.906	5.906	0	6.044	0	5.683	0	0	6.356	0	0	0	0
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	3	4	0	0	0	0	0	0	0	0	0	0	0
44 MPH	34	33	0	0	0	8	0	0	8	0	0	0	0
49 MPH	95	91	0	14.3	0	63	0	0	63	0	0	0	0
54 MPH	348	342	0	33.3	0	134	0	0	134	0	0	0	0
59 MPH	696	695	0	71.4	0	504	0	0	567	0	0	0	0
64 MPH	917	913	0	93.2	0	858	0	0	933	0	0	0	0
69 MPH	997	996	0	100.0	0	962	0	0	983	0	0	0	0
74 MPH	247	246	0	100.0	0	292	0	0	293	0	0	0	0
79 MPH	1000	1000	0	100.0	0	992	0	0	983	0	0	0	0
84 MPH	1000	1000	0	100.0	0	1000	0	0	1000	0	0	0	0
89 MPH	1000	1000	0	100.0	0	1000	0	0	1000	0	0	0	0
DIRECTION	NB												
NUMBER OF VEHICLES	142	134	0	8	0	69	0	0	69	0	0	0	0
AVERAGE SPEED	56.64	56.57	0	57.75	0	54.38	0	0	54.85	0	0	0	0
DIRECTION	SB												
NUMBER OF VEHICLES	154	141	0	13	0	58	0	0	58	0	0	0	0
AVERAGE SPEED	56.51	56.61	0	55.46	0	54.60	0	0	54.67	0	0	0	0

Every second vehicle

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STATION--24-16-----
HIGHWAY--S.R. 3-----
LOCATION--175 miles south of S.R. 46-----
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NO. OF LANES 2
TYPE OF SURFACE asphalt
WEATHER cloudy

[illegible]

DATE 5-24-79
TIME 10:00 AM - 3:05 PM

ALL	PASSENGER CARS	TRUCKS
INDIANA	INDIANA	INDIANA
NON-INDIANA	NON-INDIANA	NON-INDIANA
ALL	ALL	ALL
<5000 RS.	<5000 RS.	<5000 RS.
>5000 RS.	>5000 RS.	>5000 RS.

[illegible]

NUMBER OF VEHICLES	0	358	0	2	0	62	0	22	0
360	0	358	0	2	0	62	0	22	0

AVE. SPEED (MPH)	62.97	62.82
STANDARD DEVIATION	23.93	23.23

24 MP

[illegible]

1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

[illegible][illegible]

VEHICLES	54 MPH	44.4	0	38.7	31.8
VEHICLES	54 MPH	44.4	0	38.7	31.8

TRAVELING	37 MPH	44.3	0	100.0	0	77.4	0	88.3	0	92.5
AT OR	64 MPH	033	0	033	0	010	0	000	0	000

LESS THAN 69 MPH

[illegible][illegible]

姓名	性别	年龄	籍贯	职业	住址	电话	备注
王德胜	男	45	山东	教师	XX路XX号	XXXX	
李小红	女	32	江苏	医生	XX街XX号	XXXX	
张建国	男	58	河南	工人	XX巷XX号	XXXX	
刘小芳	女	28	四川	护士	XX里XX号	XXXX	
陈大伟	男	38	广东	工程师	XX园XX号	XXXX	
赵小华	女	42	浙江	会计	XX庄XX号	XXXX	
孙志强	男	52	湖北	干部	XX村XX号	XXXX	
周小丽	女	35	湖南	记者	XX场XX号	XXXX	
吴大刚	男	48	安徽	农民	XX社XX号	XXXX	
郑小娟	女	25	江西	学生	XX队XX号	XXXX	
冯大平	男	55	福建	商人	XX组XX号	XXXX	
朱小梅	女	30	广西	服务员	XX站XX号	XXXX	
徐志强	男	40	贵州	技术员	XX段XX号	XXXX	
黄小芳	女	33	云南	画家	XX道XX号	XXXX	
曹大伟	男	50	陕西	司机	XX街XX号	XXXX	
周小华	女	27	甘肃	教师	XX巷XX号	XXXX	
孙志强	男	53	宁夏	工人	XX里XX号	XXXX	
周小丽	女	36	青海	护士	XX园XX号	XXXX	
吴大刚	男	49	新疆	干部	XX庄XX号	XXXX	
郑小娟	女	29	内蒙古	学生	XX村XX号	XXXX	
冯大平	男	56	吉林	商人	XX场XX号	XXXX	
朱小梅	女	31	黑龙江	服务员	XX社XX号	XXXX	
徐志强	男	41	辽宁	技术员	XX站XX号	XXXX	
黄小芳	女	34	河北	画家	XX段XX号	XXXX	
曹大伟	男	51	山西	司机	XX道XX号	XXXX	
周小华	女	26	山东	教师	XX街XX号	XXXX	
孙志强	男	54	河南	工人	XX巷XX号	XXXX	
周小丽	女	37	湖北	护士	XX里XX号	XXXX	
吴大刚	男	50	湖南	干部	XX园XX号	XXXX	
郑小娟	女	30	安徽	学生	XX庄XX号	XXXX	
冯大平	男	57	江西	商人	XX村XX号	XXXX	
朱小梅	女	32	福建	服务员	XX场XX号	XXXX	
徐志强	男	42	广西	技术员	XX社XX号	XXXX	
黄小芳	女	35	贵州	画家	XX站XX号	XXXX	
曹大伟	男	52	云南	司机	XX段XX号	XXXX	
周小华	女	28	陕西	教师	XX道XX号	XXXX	
孙志强	男	55	甘肃	工人	XX街XX号	XXXX	
周小丽	女	38	宁夏	护士	XX巷XX号	XXXX	
吴大刚	男	51	青海	干部	XX里XX号	XXXX	
郑小娟	女	31	新疆	学生	XX园XX号	XXXX	
冯大平	男	58	内蒙古	商人	XX庄XX号	XXXX	
朱小梅	女	33	吉林	服务员	XX村XX号	XXXX	
徐志强	男	43	黑龙江	技术员	XX场XX号	XXXX	
黄小芳	女	36	辽宁	画家	XX社XX号	XXXX	
曹大伟	男	53	河北	司机	XX站XX号	XXXX	
周小华	女	29	山西	教师	XX段XX号	XXXX	
孙志强	男	56	山东	工人	XX道XX号	XXXX	
周小丽	女	39	河南	护士	XX街XX号	XXXX	
吴大刚	男	52	湖北	干部	XX巷XX号	XXXX	
郑小娟	女	32	湖南	学生	XX里XX号	XXXX	
冯大平	男	59	安徽	商人	XX园XX号	XXXX	
朱小梅	女	34	江西	服务员	XX庄XX号	XXXX	
徐志强	男	44	福建	技术员	XX村XX号	XXXX	
黄小芳	女	37	广西	画家	XX场XX号	XXXX	
曹大伟	男	54	贵州	司机	XX社XX号	XXXX	
周小华	女	30	云南	教师	XX站XX号	XXXX	
孙志强	男	57	陕西	工人	XX段XX号	XXXX	
周小丽	女	40	甘肃	护士	XX街XX号	XXXX	
吴大刚	男	53	宁夏	干部	XX巷XX号	XXXX	
郑小娟	女	33	青海	学生	XX里XX号	XXXX	
冯大平</							

DIRECTION NB

[illegible]

AVERAGE SPEED	55.04	0.55.04	0	54.19	0.58.67	57.73
DIRECTION	SP					

NUMBER OF VEHICLES	171	169	2	0	41	19
NUMBER OF VEHICLES	171	169	2	0	41	19

AVERAGE SPEED	55.99	55.98	57.00	56.71	57.00	56.71
	C	C	C	C	C	C

TABLE A 26 SPEED DATA Every Second Vehicle

STATION UI-6 HIGHWAY I-65 LOCATION just east of White River WEATHER clear

NO. OF LANES 6 TYPE OF SURFACE concrete

THIS OBSERVATION DATE 5-21-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

TIME 10:40 AM - 12:00 N.EB

TIME 1:25 PM - 2:25 PM WB

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-
OBSERVATION	LAST	ENT	LAST	LAST	ENT	LAST	LAST	ENT	LAST	LAST	ENT	LAST
NUMBER OF VEHICLES	223	24	24	0	83	0	0	138	0	0	59	0
AVERAGE SPEED (MPH)	57.41	57.35	57.35	0	57.52	0	0	56.94	0	0	57.52	0
STANDARD DEVIATION	3.886	4.001	4.001	0	3.548	0	0	4.659	0	0	5.065	0
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
22 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	2.2	2.9	2.9	0	0	0	0	5.1	0	0	1.7	0
54 MPH	21.4	21.7	21.7	0	20.5	0	0	27.5	0	0	23.4	0
59 MPH	69.2	70.4	70.4	0	67.5	0	0	73.2	0	0	67.8	0
64 MPH	97.2	97.1	97.1	0	97.6	0	0	94.9	0	0	93.2	0
69 MPH	99.4	99.2	99.2	0	100.0	0	0	99.3	0	0	98.3	0
74 MPH	105.0	100.0	100.0	0	100.0	0	0	100.0	0	0	100.0	0
79 MPH	105.0	100.0	100.0	0	100.0	0	0	100.0	0	0	100.0	0
84 MPH	100.0	100.0	100.0	0	100.0	0	0	100.0	0	0	100.0	0
89 MPH	100.0	100.0	100.0	0	100.0	0	0	100.0	0	0	100.0	0
DIRECTION	EB	WB	WB	0	0	0	0	0	0	0	0	0
NUMBER OF VEHICLES	148	119	119	0	29	0	0	82	0	0	25	0
AVERAGE SPEED	57.62	57.61	57.61	0	57.69	0	0	57.41	0	0	59.08	0
DIRECTION	WB	WB	WB	0	0	0	0	0	0	0	0	0
NUMBER OF VEHICLES	175	121	121	0	54	0	0	56	0	0	34	0
AVERAGE SPEED	57.23	57.10	57.10	0	57.54	0	0	56.25	0	0	56.59	0

TABLE A 27 SPEED DATA Every Second Vehicle

STATION UI-8 HIGHWAY I-265 LOCATION 1.45 miles north of I-64 interchange

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER hazy, cloudy

THIS OBSERVATION
DATE 6-6-79
TIME 1:29-3:05 PM NB
9:50-10:48 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

PASSENGER CARS										TRUCKS									
ALL					INDIANA					ALL					INDIANA				
PRES-					PRES-					PRES-					PRES-				
LAST					LAST					LAST					LAST				
ENI					ENI					ENI					ENI				
264					251					166					90				
27,23					27,25					56,46					56,22				
5,348					5,361					5,714					5,714				
0					0					0					0				
0					0					0					0				
0					0					0					0				
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TABLE A 28 SPEED DATA All Vehicle Technique

STATION RIALL HIGHWAY rural interstate LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE May-June 1979 DATE
 TIME TIME

		PASSENGER CARS				TRUCKS			
		ALL		NON-INDIANA		ALL		>5000 LBS.	
		PRES-	ENT-	PRES-	ENT-	PRES-	ENT-	PRES-	ENT-
		LAST	LAST	LAST	LAST	LAST	LAST	LAST	LAST
OBSERVATION		ENT	ENT	ENT	ENT	ENT	ENT	ENT	ENT
NUMBER OF VEHICLES		484	264	220	220	380	173	277	277
AVE. SPEED (MPH)		52.27	52.53	58.93	58.93	59.47	58.76	59.44	59.44
STANDARD DEVIATION		4.928	5.117	4.681	4.681	4.677	4.611	4.681	4.681
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		2	5	5	5	8	1	0	0
49 MPH		21	12	27	27	20	10	0	0
54 MPH		134	129	141	141	116	107	0	0
59 MPH		554	542	568	568	487	544	0	0
64 MPH		843	822	868	868	863	853	0	0
69 MPH		962	965	977	977	984	990	0	0
74 MPH		992	985	1000	1000	1000	1000	0	0
79 MPH		998	990	1000	1000	1000	1000	0	0
84 MPH		1000	1000	1000	1000	1000	1000	0	0
89 MPH		1000	1000	1000	1000	1000	1000	0	0
94 MPH		1000	1000	1000	1000	1000	1000	0	0
99 MPH		1000	1000	1000	1000	1000	1000	0	0
104 MPH		1000	1000	1000	1000	1000	1000	0	0
109 MPH		1000	1000	1000	1000	1000	1000	0	0
114 MPH		1000	1000	1000	1000	1000	1000	0	0
 

TABLE A 29SPEED DATA All Vehicle Technique

STATION 6111 HIGHWAY 4-lane LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION DATE May-June, 1979 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

TIME TIME

PASSENGER CARS										TRUCKS														
ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.				
OBSERVATION					LASI					LASI					LASI					LASI				
ENT					ENT					ENT					ENT					ENT				
PRES-					PRES-					PRES-					PRES-					PRES-				
NUMBER OF VEHICLES					524					424					0					100				
AVE. SPEED (MPH)					56.37					56.14					57.77					56.76				
STANDARD DEVIATION					4.556					4.499					4.522					4.922				
24 MPH					0					0					0					0				
29 MPH					0					0					0					0				
34 MPH					0					0					0					0				
39 MPH					2					2					0					0				
44 MPH					1.1					1.4					0					0				
49 MPH					3.2					6.1					1.0					7.0				
54 MPH					33.4					35.8					23.0					31.2				
59 MPH					79.8					81.1					74.0					73.8				
64 MPH					96.2					97.1					91.0					96.2				
69 MPH					99.0					99.5					97.0					98.2				
74 MPH					99.6					99.8					99.0					99.7				
79 MPH					100.0					100.0					100.0					100.0				
84 MPH					100.0					100.0					100.0					100.0				
89 MPH					100.0					100.0					100.0					100.0				
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN																								

TABLE A 30 SPEED DATA All Vehicle Technique

STATION 21ALL HIGHWAY 2-lane LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION DATE May-June, 1979 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE May-June, 1979 DATE

TIME TIME

										PASSENGER CARS										TRUCKS																			
										ALL					INDIANA					NON-INDIANA					ALL					INDIANA					PRES-				
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
OBSERVATION										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
NUMBER OF VEHICLES										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
AVE. SPEED (MPH)										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
STANDARD DEVIATION										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
24 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
29 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
34 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
39 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
44 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
49 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
54 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
59 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
64 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
69 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
74 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
79 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
84 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
89 MPH										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-					
										PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI		LASI		PRES-		ENI									

TABLE A 31SPEED DATA All Vehicle Technique

STATION _UIALL_ HICHWAY urban interstate LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION

DATE May-June, 1979

TIME

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

TRUCKS

OBSERVATION		PASSENGER CARS		NON-INDIANA		ALL		TRUCKS	
ALL		INDIANA		PRES-		PRES-		PRES-	
LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	582	491	96	0	304	0	149	0	155
AVE. SPEED (MPH)	57.33	57.33	57.48	0	56.63	0	56.81	0	56.81
STANDARD DEVIATION	4.598	4.741	3.800	0	5.258	0	5.134	0	5.332
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	3.9	4.5	1.0	0	1.3	0	1.3	0	1.3
54 MPH	25.3	25.3	25.0	0	6.0	0	4.7	0	4.7
59 MPH	62.6	70.2	66.7	0	32.6	0	30.9	0	34.2
AT OR	95.4	95.1	96.2	0	71.7	0	69.7	0	69.7
LESS THAN	98.8	98.6	100.0	0	92.8	0	94.0	0	91.6
69 MPH	99.7	99.6	100.0	0	99.7	0	98.7	0	99.4
74 MPH	99.8	99.8	100.0	0	100.0	0	99.3	0	100.0
79 MPH	99.8	99.8	100.0	0	100.0	0	100.0	0	100.0
84 MPH	99.8	99.8	100.0	0	100.0	0	100.0	0	100.0
89 MPH	100.0	100.0	100.0	0	100.0	0	100.0	0	100.0

TABLE A 32 SPEED DATA All Vehicle Technique

[illegible]

TABLE A33

Monitoring of Speed - Free Flow Techniques
(Statistical Summary)☒ Quarterly Report--Calendar Quarter Ending June 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	948	6.0	57.4	56.8	61.4	65.6	24.3	4.2
Interstate Rural	849	4	1716	4.7	59.3	58.5	63.4	83.0	36.0	7.9
Multi-lane, Divided	657	4	1711	6.0	56.2	55.9	60.5	58.6	17.4	3.0
Multi-lane, Undivided										
2-Lane, Rural	8030	4	1756	11.0	56.0	55.6	60.8	54.6	18.1	4.9
State Total	9754	14	6131	27.7	57.2	56.8	61.7	65.4	23.8	5.1

TABLE A34

Monitoring of Speed - All Vehicle Techniques
(Statistical Summary)☒ Quarterly Report--Calendar Quarter Ending June 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	891	4.0	57.1	56.4	61.2	62.7	21.0	3.5
Interstate Rural	849	2	864	5.8	59.4	58.7	63.9	81.8	39.6	9.6
Multi-lane, Divided	657	2	867	10.7	56.5	56.1	60.4	58.5	17.1	2.7
Multi-lane, Undivided	(Included in multi-lane, divided classification)									
2-Lane, Rural	8030	2	845	14.3	55.7	55.4	61.0	52.1	19.5	4.6
State Total	9754	8	3467	34.8	57.2	56.6	61.7	63.8	24.3	5.1

TABLE A35

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	6-13-79
		VEHICLES MEASURED	423
AVERAGE SPEED (MPH)	59.8	STANDARD DEVIATION	4.7
MEDIAN SPEED (MPH)	58.9	85TH PERCENTILE SPEED (MPH)	64.4
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	84.4	60 MPH	39.2
		65 MPH	12.2

TABLE A36-

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE	RURAL
STATION NUMBER	RI-21	LOCATION *-69; 1.6 mi. south of SR 18
NUMBER OF SESSIONS	1	DATES 5-22-79
AVERAGE SPEED (MPH)	52.3	STANDARD DEVIATION 4.5
MEDIAN SPEED (MPH)	52.4	85TH PERCENTILE SPEED (MPH) 63.4
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	85	60 MPH 35
		65 MPH 9

TABLE A37 -

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE, RURAL		
STATION NUMBER	RI-16	LOCATION	I-70 at bridge ~ SR 1
NUMBER OF SESSIONS	1	DATES	5-23-79
			VEHICLES MEASURED 434
AVERAGE SPEED (MPH)	58.8	STANDARD DEVIATION	4.1
MEDIAN SPEED (MPH)	57.2	85TH PERCENTILE SPEED (MPH)	62.5
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	80	60 MPH	32
		65 MPH	4

TABLE A38

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE	RURAL	
STATION NUMBER	81-28	LOCATION	LaPorte exit
			I-80-90 (Toll Road) 4.65 mi. east of
NUMBER OF SESSIONS	1	DATES	6-4-79
			VEHICLES MEASURED
AVERAGE SPEED (MPH)	59.2	STANDARD DEVIATION	4.3
MEDIAN SPEED (MPH)	58.7	85TH PERCENTILE SPEED (MPH)	63.2
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	83	60 MPH	37
		65 MPH	7

TABLE A39

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 41-17 LOCATION US 52, 150' East of CR 475W, Tippecanoe Co.
 NUMBER OF SESSIONS 1 DATES 5-14-79 VEHICLES MEASURED 422
 AVERAGE SPEED (MPH) 55.5 STANDARD DEVIATION 5.9
 MEDIAN SPEED (MPH) 55.4 85TH PERCENTILE SPEED (MPH) 60.3
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 54 60 MPH 16 65 MPH 2

TABLE A40 -

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER	41-32 LOCATION Limit Sign
	US 30; 2.9 mi. west of Wanatah City
NUMBER OF SESSIONS	1 DATES 5-17-79
	VEHICLES MEASURED 435
AVERAGE SPEED (MPH)	57.0
	STANDARD DEVIATION 5.0
MEDIAN SPEED (MPH)	56.7
	85TH PERCENTILE SPEED (MPH) 62.8
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	66.4
60 MPH	20.2
65 MPH	4.2

TABLE A41 -

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER	41-1
LOCATION	US 41, 7.0 mi. south of SR 64
NUMBER OF SESSIONS	1
DATES	
VEHICLES MEASURED	130
AVERAGE SPEED (MPH)	56.5
STANDARD DEVIATION	5.0
MEDIAN SPEED (MPH)	56.1
85TH PERCENTILE SPEED (MPH)	60.6
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	61
60 MPH	18
65 MPH	4

TABLE A42

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER	41-16
LOCATION	US 52, 0.35 mi. south of SR 47
NUMBER OF SESSIONS	1
DATES	5-16-79
VEHICLES MEASURED	424
AVERAGE SPEED (MPH)	55.6
STANDARD DEVIATION	5.5
MEDIAN SPEED (MPH)	55.4
85TH PERCENTILE SPEED (MPH)	59.9
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	53
60 MPH	15
65 MPH	3

TABLE A43

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY TWO-LANE RURAL
 STATION NUMBER 2L-18 LOCATION US 35; 2.5 mi. east of I-69
 NUMBER OF SESSIONS 1 DATES 5-22-79 VEHICLES MEASURED 424
 AVERAGE SPEED (MPH) 56.2 STANDARD DEVIATION 4.9
 MEDIAN SPEED (MPH) 55.6 85TH PERCENTILE SPEED (MPH) 67.0
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 56 60 MPH 15 65 MPH 3

TABLE A44-

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	TWO-LANE RURAL	
STATION NUMBER	21-54	
LOCATION	US 231; 1.1 mi. south of SR 234	
NUMBER OF SESSIONS	1	DATES 5-15-79
VEHICLES MEASURED 441		
AVERAGE SPEED (MPH)	56.7	STANDARD DEVIATION 5.6
MEDIAN SPEED (MPH)	56.2	85TH PERCENTILE SPEED (MPH) 61.9
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	60	60 MPH 24
		65 MPH 6

TABLE A45

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	TWO-LANE RURAL	
STATION NUMBER	21-16	LOCATION SR 3; 1.75 mi. south of SR 46
NUMBER OF SESSIONS	1	DATES 5-24-79 VEHICLES MEASURED 481
AVERAGE SPEED (MPH)	55.2	STANDARD DEVIATION 6.2
MEDIAN SPEED (MPH)	54.9	85TH PERCENTILE SPEED (MPH) 60.2
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	50.2	60 MPH 16.2 65 MPH 4.2

TABLE A46

SPEED MONITORING STATICA SUMMARY - Free Flow

HIGHWAY CATEGORY TWO-LANE RURAL
 STATION NUMBER 2L-83 LOCATION US 136; 2.85 mi. West of SR 63
 NUMBER OF SESSIONS 1 DATES 6-11-79 VEHICLES MEASURED 460
 AVERAGE SPEED (MPH) 55.9 STANDARD DEVIATION 6.4
 MEDIAN SPEED (MPH) 55.4 85TH PERCENTILE SPEED (MPH) 60.8
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 52 60 MPH 18 65 MPH 6

TABLE 47-

SPEED MONITORING STATION SUMMARY- Free Flow

HIGHWAY CATEGORY	INTERSTATE	URBAN
STATION NUMBER	U1-6	LOCATION I-65, just east of White River
NUMBER OF SESSIONS	1	DATES 5-21-79
AVERAGE SPEED (MPH)	57.9	STANDARD DEVIATION 4.3
MEDIAN SPEED (MPH)	57.3	85TH PERCENTILE SPEED (MPH) 61.5
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	73	60 MPH 26
		65 MPH 4

TABLE A48

SPEED MONITORING STATION SUMMARY - Free Flow

HIGHWAY CATEGORY	INTERSTATE, URBAN
STATION NUMBER	UI-8
LOCATION	I-265; 1.45 mi. north of I-64
NUMBER OF SESSIONS	1
DATES	6-6-79
VEHICLES MEASURED	427
AVERAGE SPEED (MPH)	56.7
STANDARD DEVIATION	5.3
MEDIAN SPEED (MPH)	56.5
85TH PERCENTILE SPEED (MPH)	61.2
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	57
60 MPH	22
65 MPH	5

TABLE A49

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY	INTERSTATE, RURAL
STATION NUMBER	RI-6
LOCATION	I-65; 7.5 mi. north of SR 160 6-13-79
NUMBER OF SESSIONS	1
DATES	6-7-79
VEHICLES MEASURED	422
AVERAGE SPEED (MPH)	65.1
STANDARD DEVIATION	5.2
MEDIAN SPEED (MPH)	59.6
85TH PERCENTILE SPEED (MPH)	64.5
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	84
60 MPH	46
65 MPH	12

TABLE A50

SPEED MONITORING STATION SUMMARY - All Traffic

HIGHWAY CATEGORY	INTERSTATE, RURAL
STATION NUMBER	RI-16
LOCATION	I-70; at bridge - SR 1
NUMBER OF SESSIONS	1
DATES	5-23-79
VEHICLES MEASURED	442
AVERAGE SPEED (MPH)	58.8
STANDARD DEVIATION	4.3
MEDIAN SPEED (MPH)	57.9
85TH PERCENTILE SPEED (MPH)	62.6
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	80
60 MPH	33
65 MPH	7

TABLE A51

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER	4L-32 LOCATION US 30; 2.9 mi. west of Wanatah City Limit Sign
NUMBER OF SESSIONS	1 DATES 5-17-79 VEHICLES MEASURED 442
AVERAGE SPEED (MPH)	56.7 STANDARD DEVIATION 4.7
MEDIAN SPEED (MPH)	56.2 85TH PERCENTILE SPEED (MPH) 60.6
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	62
60 MPH	18
65 MPH	3

TABLE A52

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER	41-1 LOCATION US 41, 7 mi. south of SR 64
NUMBER OF SESSIONS	1 DATES 6-5-79 VEHICLES MEASURED 425
AVERAGE SPEED (MPH)	56.3 STANDARD DEVIATION 4.7
MEDIAN SPEED (MPH)	55.7 85TH PERCENTILE SPEED (MPH) 60.2
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	54.6 60 MPH 16.2 65 MPH 3.4

TABLE A53 -

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle for 1st Half Hour, then Every Vehicle; Separate Lane in 15 min. Intervals Until Completed

HIGHWAY CATEGORY	TWO-LANE, RURAL	
STATION NUMBER	2L-54	LOCATION US 231; 1.1 mi. south of SR 234
NUMBER OF SESSIONS	1	DATES 5-15-79 VEHICLES MEASURED 423
AVERAGE SPEED (MPH)	55.9	STANDARD DEVIATION 5.9
MEDIAN SPEED (MPH)	55.3	85TH PERCENTILE SPEED (MPH) 61.2
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	52	60 MPH 19
		65 MPH 6

TABLE A54

SPEED MONITORING STATION SUMMARY - All Traffic

HIGHWAY CATEGORY	TWO-LANE	RURAL
STATION NUMBER	21-16	LOCATION SR 3; 1.75 mi. south of SR 46
NUMBER OF SESSIONS	1	DATES 5-24-79 VEHICLES MEASURED 422
AVERAGE SPEED (MPH)	55.5	STANDARD DEVIATION 6.3
MEDIAN SPEED (MPH)	55.4	85TH PERCENTILE SPEED (MPH) 60.8
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	52	60 MPH 20 65 MPH 4

TABLE A55

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY	INTERSTATE URRAN	
STATION NUMBER	UI-6	LOCATION I-65; just east of White River
NUMBER OF SESSIONS	1	DATES 5-21-79 VEHICLES MEASURED 461
AVERAGE SPEED (MPH)	57.3	STANDARD DEVIATION 4.1
MEDIAN SPEED (MPH)	56.7	85TH PERCENTILE SPEED (MPH) 60.7
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	67	60 MPH 19 65 MPH 3

TABLE A56

SPEED MONITORING STATION SUMMARY - Every 2nd Vehicle

HIGHWAY CATEGORY	INTERSTATE, URBAN
STATION NUMBER	UI-8
LOCATION	I-265; 1.45 mi. north of I-64
NUMBER OF SESSIONS	1
DATES	6-6-79
VEHICLES MEASURED	430
AVERAGE SPEED (MPH)	56.9
STANDARD DEVIATION	5.5
MEDIAN SPEED (MPH)	56.0
85TH PERCENTILE SPEED (MPH)	61.7
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	58
60 MPH	23
65 MPH	4

COVER DESIGN BY ALDO GIORGINI