SCHOOL OF CIVIL ENGINEERING

JOINT HIGHWAY RESEARCH PROJECT

FHWA/IN/JHRP-81/2

TRAFFIC SPEED REPORT NO. 114

R. P. Guenther

G. K. Stafford

PURDUE UNIVERSITY
INDIANA STATE HIGHWAY COMMISSION

Digitized by the Internet Archive
in 2011 with funding from
LYRASIS members and Sloan Foundation; Indiana Department of Transportation

TRAFFIC SPEED REPORT NO. 114

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

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

February 3, 1981

File: 8-3-3

Project: C-36-10C

The attached Progress Report No. 114 on Traffic Speeds is the report of the July-September 1980 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 with assistance from Ms. P. J. Tirschman, drafting assistant on our staff. The data collection was directed by Mr. G. K. Stafford of our staff. Professor H. L. Michael directed all phases of the study.

The overall free flow results show an average speed of 56.6 mph. The results indicate that speeds have changed only slightly from the previous April-June 1980 quarter.

Results over the past year indicate that while general passenger car speeds have decreased, the overall speeds of heavy trucks have shown a slight increase.

The statewide weighted compliance level of vehicles traveling over 55mph was 55.8 percent. This value compared with the 53.9 percent found during the previous quarter.

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. Guenthner
Graduate Research Assistant

RPG/mag

cc: A. G. Altschaeffl	D. E. Hancher	C. F. Scholer
W. L. Dolch	K. R. Hoover	R. M. Shanteau
R. L. Eskew	J. F. McLaughlin	K. C. Sinha
J. D. Fricker	R. D. Miles	C. A. Venable
G. D. Gibson	P. L. Owens	L. E. Wood
W. H. Goetz	G. T. Satterly	E. J. Yoder
M. J. Gutzwiller		S. R. Yoder
G. K. Hallock		

Interim Report
TRAFFIC SPEED REPORT NO. 114

by

R. P. Guenther
Graduate Instructor in Research

and

G. K. Stafford
Traffic Engineering Technician

Joint Highway Research Project

Project No.: C-36-10C

File No.: 8-3-3

Prepared as Part of an Investigation

Conducted by

Joint Highway Research Project
Engineering Experiment Station
Purdue University

in Cooperation with the

Indiana State Highway Commission

and the

U.S. Department of Transportation
Federal Highway Administration

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

Purdue University
West Lafayette, Indiana
February 3, 1981

1. Report No. FHWA/IN/JHRP-81/2	2. Government Accession No.	3. Recipient's Catalog No.	
4. Title and Subtitle TRAFFIC SPEED REPORT NO. 114		5. Report Date February 3, 1981	
		6. Performing Organization Code	
7. Author(s) R. P. Guenther and G. K. Stafford		8. Performing Organization Report No. JHRP-81-2	
9. Performing Organization Name and Address Joint Highway Research Project Civil Engineering Building Purdue University West Lafayette, Indiana 47907		10. Work Unit No.	
		11. Contract or Grant No. HPR-1(18) Part I	
12. Sponsoring Agency Name and Address Indiana State Highway Commission State Office Building 100 North Senate Avenue Indianapolis, Indiana 47904		13. Type of Report and Period Covered Interim Report July-September 1980	
		14. Sponsoring Agency Code	
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 <p>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 1980 quarter.</p> <p>This report 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 study indicate a statewide average of 55.8 percent of the vehicles traveling above the 55 mph speed limit. This report also includes analysis of free flow speeds. Results here show that the overall average speeds have changed only slightly from the previous April-June 1980 quarter. Analysis of the free flow speeds recorded during this past year indicate that while the speeds of passenger cars have dropped, the speeds of heavy trucks have increased slightly.</p>			
17. Key Words Speeds, Highway Speeds, Rural Highway Speeds, Speed Trends, 55 mph Speed Effect		18. Distribution Statement No restrictions. This document is available to the public through the National Technical Information Service, Springfield, Virginia 22161	
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 93	22. Price

TRAFFIC SPEED REPORT NO. 114

Included here is an analysis of spot speed observations made during July - September 1980 on Indiana highways. All observations were made of vehicles on level, tangent sections of rural and urban highways under favorable conditions. All but three observations were made during daylight. The three night stations were randomly selected, one from each of the rural highway 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. These stations are divided into four categories, including two rural interstate locations, two rural four-lane locations, two rural locations, and one urban interstate location.

The second group of seven (7) stations is identified as "secondary control stations". These stations are used only in the July-September quarter of each year and are divided exactly as the primary stations are.

The third group was those fourteen stations selected at random for this quarterly study. Four rural interstate sections were randomly selected from the 37 sections across the state. Likewise four rural four-lane sections and two urban interstate sections were randomly selected from 33 and 8 sections respectively across the state. Four rural two-lane locations were selected from four randomly selected counties across the state. The exact location of each speed station was selected at a location which was level, tangent, away from any construction, and free from intersections or interchanges. No random station was repeated during the year ending September 30, 1980

A total of twenty-eight (28) speed monitoring stations were used for the study reported herein. The speed limit at all stations is 55 miles per hour. The site locations follow and are also shown in Figure 1.

RURAL INTERSTATE HIGHWAYS

* RI-6	I-65	7.5 Miles North of State Road 160
+* RI-21	I-69	1.6 Miles South of State Road 18
** RI-12	I-74	0.1 Miles West of 109 Mile Marker
** RI-34	I-65	2 Miles South of State Road 39
RI-2	I-64	4.9 Miles East of State Road 57
RI-5	I-64	8.55 Miles West of State Road 150
+* RI-17	I-70	1.05 Miles East of State Road 9
RI-29	I-80&I-90	7.15 Miles West of U.S. 421

4-LANE HIGHWAYS

+* 4L-17	US52	150 Feet East of County Road 475 West
* 4L-32	US30	2.9 Miles West of Wanatah City Limit Sign
** 4L-20	US41	1.1 Miles North of State Road 2
** 4L-21	US31	1.1 Miles South of State Road 38
4L-1	US41	1.2 Miles North of State Road 168
4L-6	US40	1.75 Miles West of Brazil City Limits
+ 4L-22	US31	1.65 Miles South of State Road 26
4L-26	SR9	1.4 Miles North of State Road 124

2-LANE HIGHWAYS

* 2L-18	US35	2.5 Miles East of I-69
+* 2L-54	US231	1.1 Miles South of State Road 234
** 2L-79	SR25	0.7 Miles South of Americus
** 2L-91	SR43	2 Miles South of Chalmers
2L-5	SR3	1.4 Miles North of Blackford-Delaware County Line
+ 2L-8	SR25	10.95 Miles North of Delphi City Limits
2L-72	US31	0.85 Miles North of Scottsburg City Limits
2L-88	SR60	1.60 Miles West of State Road 56

URBAN INTERSTATE HIGHWAYS

+* UI-6	I-65	Just East of White River
** UI-1	I-80	First Bridge East of Burr Street Interchange
+ UI-3	I-69	2.1 Miles North of State Road 14
UI-8	I-265	1.35 Miles North of I-64

* PRIMARY CONTROL STATIONS

** SECONDARY CONTROL STATIONS

+ STATIONS AT WHICH THE "ALL VEHICLES" TECHNIQUE WAS USED AS WELL AS 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. Analysis was performed for each vehicle classification and for combined passenger cars or trucks.

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. These stations included one randomly selected control station and one randomly selected random station in each of the four highway categories. 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 15 minute periods and repeated until the sample required was obtained.

The value of n was 2 in all cases. 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 15 minutes. This problem primarily occurs 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 A1 through A28 include the data for the free flow data on each individual station. Tables A29 through A32 summarize the free flow data by highway classification. Table A33 is the summary for all highways. Tables A34 through A46 summarize the data taken using the "all vehicles" technique. Tables A47 through A82 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>Two Lane</u>	<u>All</u>
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane</u> <u>Rural</u>	<u>Rural</u>	
<u>Passenger Cars:</u>					
Indiana	57.6	58.4	56.3	54.8	56.3
Non-Indiana	57.8	59.4	57.5	58.1	58.7
All Passenger Cars	57.6	58.9	56.4	55.1	56.8
85 Percentile (all)	61.3	62.6	60.1	60.2	61.3
<u>Trucks:</u>					
Less than 5000 lbs.	56.8	57.6	55.2	53.9	55.7
5000 lbs. or more	56.3	59.1	57.6	54.5	57.1
<u>All Vehicles:</u>					
Average	57.2	58.8	56.1	54.8	56.6
85 Percentile	60.9	62.6	60.5	59.9	61.2

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	70.3	75.4	58.7	44.7	58.2
Non-Indiana	70.2	83.4	69.5	70.0	77.5
All Passenger Cars	70.3	79.2	60.3	46.6	62.5
<u>Trucks:</u>					
Less than 5000 lbs.	60.8	68.3	50.7	39.2	53.5
5000 lbs. or more	58.3	79.9	60.8	45.2	63.1
All Vehicles:	65.9	77.9	58.6	45.3	61.2

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	22.0	29.6	16.8	13.8	18.7
Non-Indiana	26.7	37.2	22.5	42.8	33.5
All Passenger Cars	23.0	33.2	17.6	16.0	21.9
<u>Trucks:</u>					
Less than 5000 lbs.	21.2	26.0	14.1	10.4	17.2
5000 lbs. or more	16.6	39.1	24.8	13.3	25.5
All Vehicles:	21.1	33.7	17.7	14.7	21.8

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	3.1	5.7	2.8	3.9	3.7
Non-Indiana	8.0	9.3	4.1	11.7	7.6
All Passenger Cars	4.1	6.8	3.0	4.4	4.6
<u>Trucks:</u>					
Less than 5000 lbs.	4.5	4.1	3.4	2.2	3.4
5000 lbs. or more	2.1	7.1	6.0	2.7	4.9
All Vehicles:	3.7	6.5	2.8	3.8	4.2

Table 5: Comparison of the Overall Speed Results

	<u>July-Sept</u> <u>1980</u>	<u>April-June</u> <u>1980</u>	<u>Jan-March</u> <u>1980</u>	<u>Oct-Dec</u> <u>1979</u>
<u>Average</u>				
All Passenger Cars	56.8	56.8	57.2	57.5
Heavy Trucks	57.1	57.1	55.7	56.8
All Trucks	56.4	56.5	56.3	56.7
<u>85 Percentile</u>				
All Passenger Cars	61.3	61.0	61.4	62.0
Heavy Trucks	61.7	61.7	61.6	61.5
All Trucks	61.2	61.3	61.3	61.5
<u>15 Percentile</u>				
Heavy Trucks	51.1	51.6	50.8	51.0

Table 6: Average Speeds on Interstate Highways (URBAN)

7

	<u>July-Sept</u> <u>1980</u>	<u>April-June</u> <u>1980</u>	<u>Jan-March</u> <u>1980</u>	<u>Oct-Dec</u> <u>1979</u>
<u>Passenger Cars:</u>				
Indiana	57.6	57.9	57.9	58.2
Non-Indiana	57.8	58.5	58.6	59.0
All Passenger Cars	57.6	58.1	58.0	58.3
85 Percentile (all)	61.3	61.9	61.7	61.9
<u>Trucks:</u>				
Less than 5000 lbs.	56.8	57.6	57.3	57.4
5000 lbs. or more	56.3	57.9	56.8	56.1

Table 7: Average Speeds on Interstate Highways (RURAL)

	<u>July-Sept</u> <u>1980</u>	<u>April-June</u> <u>1980</u>	<u>Jan-March</u> <u>1980</u>	<u>Oct-Dec</u> <u>1979</u>
<u>Passenger Cars:</u>				
Indiana	58.4	58.3	58.4	59.1
Non-Indiana	59.4	59.0	58.9	59.4
All Passenger Cars	58.9	58.6	58.6	59.2
85 Percentile (all)	62.6	62.1	62.1	63.5
<u>Trucks:</u>				
Less than 5000 lbs.	57.6	57.4	57.6	57.8
5000 lbs. or more	59.1	59.0	58.5	58.7

Table 8: Average Speed on Other Four-Lane Highways

	<u>July-Sept</u> <u>1980</u>	<u>April-June</u> <u>1980</u>	<u>Jan-March</u> <u>1980</u>	<u>Oct-Dec</u> <u>1979</u>
<u>Passenger Cars:</u>				
Indiana	56.3	55.9	55.8	56.7
Non-Indiana	57.5	57.4	58.4	57.6
All Passenger Cars	56.4	56.1	56.3	56.8
85 Percentile (all)	60.6	60.4	60.3	61.2
<u>Trucks:</u>				
Less than 5000 lbs.	55.2	54.9	55.0	55.8
5000 lbs. or more	57.6	56.3	55.7	56.1

Table 9: Average Speeds on Two-Lane Highways

	<u>July-Sept</u> <u>1980</u>	<u>April-June</u> <u>1980</u>	<u>Jan-March</u> <u>1980</u>	<u>Oct-Dec</u> <u>1979</u>
<u>Passenger Cars:</u>				
Indiana	54.8	55.0	55.9	56.4
Non-Indiana	58.1	55.5	55.5	56.9
All Passenger Cars	55.1	55.0	55.9	56.5
85 Percentile (all)	60.2	59.7	61.0	61.0
<u>Trucks:</u>				
Less than 5000 lbs.	53.9	54.2	54.6	56.1
5000 lbs. or more	54.5	55.5	54.4	54.4

Analysis of Data from "All Traffic" Collection Technique

Conversion factors for allowing free-flow data to represent all traffic were obtained 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, 85 percentile speed, percent exceeding 50 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 at the bottom of Table 10. Computation of statewide averages for the other statistics was done using the same technique and weighting factors. These averages are also included in Table 10.

Table 11 shows the trend during the past four years of the statewide weighted average speed and percent vehicles exceeding 55 mph. This table shows that the overall speeds during July-September 1980 are very close to those values recorded during the previous April-June 1980 quarter.

Conclusions

The overall results indicate that speeds during the past two quarters have changed very little. The results shown in Table 5 indicate that while the average speeds for passenger cars have slightly decreased during this past year, the average speeds for heavy trucks have increased slightly. The greatest change in speeds occurred between the second quarter (January-March 1980) and third quarter (April-June 1980) of this speed year.

Further examination of the data indicates that the reduced speeds of passenger cars occurred on rural two lane highways. The increased truck speeds occurred primarily on rural interstate and other four-lane rural highways.

The value of 55.8 percent for the statewide compliance level is well below the maximum of 60 percent allowed by Federal regulations for the year ending September 30, 1980, to receive full highway funding.

SPEED SUMMARY REPORT

Send to Office of Highway Planning HHP-44

QUARTERLY REPORT-CALENDAR QUARTER ENDING September 30, 1980

(State Code, Quarter, Year)

1	2	3	4	5	6	7
---	---	---	---	---	---	---

STATE Indiana

SYSTEM	CARD NO.	VMT WEIGHTING FACTOR	MILES	No. of SESSIONS	No. of VEHICLES OBSERVED	DATA TYPE	PERCENT EXCEEDING 55 MPH	SPEED			PERCENT EXCEEDING	
								AVE.	MEDIAN	85th PER. CENTILE	60 MPH	65 MPH
INTERSTATE URBAN	(1-2) 12	(8-11) 165	(12-17) 218	(18-20) 4	(21-24) 1723	Free Flow	(27-30) 659	(31-34) 572	(35-38) 568	(39-42) 609	(43-46) 211	(47-50) 37
	13					All Vehicle Factor	980	1000	995	995	901	865
	14					All Vehicles	646	572	565	606	190	32
INTERSTATE RURAL	(1-2) 22	(8-11) 251	(12-17) 849	(18-20) 8	(21-24) 3411	Free Flow	(27-30) 779	(31-34) 588	(35-38) 582	(39-42) 626	(43-46) 337	(47-50) 65
	23					All Vehicle Factor	947	997	991	1002	867	1185
	24					All Vehicles	738	586	577	627	292	77
MULTI-LANE DIVIDED	(1-2) 32	(8-11) 170	(12-17) 657	(18-20) 8	(21-24) 3504	Free Flow	(27-30) 605	(31-34) 561	(35-38) 557	(39-42) 605	(43-46) 177	(47-50) 28
	33					All Vehicle Factor	947	1013	1000	995	915	500
	34					All Vehicles	573	568	557	602	162	14
MULTI-LANE DIVIDED	(1-2) 42	(8-11) 1	(12-17) 1	(18-20) 1	(21-24) 1	Free Flow	(27-30) 1	(31-34) 1	(35-38) 1	(39-42) 1	(43-46) 1	(47-50) 1
	43					All Vehicle Factor	1	1	1	1	1	1
	44					All Vehicles	1	1	1	1	1	1
TWO LANE RURAL	(1-2) 52	(8-11) 414	(12-17) 8030	(18-20) 8	(21-24) 3507	Free Flow	(27-30) 453	(31-34) 548	(35-38) 544	(39-42) 599	(43-46) 147	(47-50) 38
	53					All Vehicle Factor	871	955	982	987	789	507
	54					All Vehicles	395	523	534	591	116	19
STATEWIDE TOTALS	(1-2) 64	(8-11) 1000	(12-17) 9754	(18-20) 28	(21-24) 12145	All Vehicles	(27-30) 558	(31-34) 555	(35-38) 554	(39-42) 604	(43-46) 180	(47-50) 35

PERCENT OF TOTAL STATEWIDE VMT ON FACILITIES WITH 55 MPH SPEED LIMITS.

(51 52 53 54)

Table 11: 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>
114	July-September 1980	55.8	55.5
113	April-June 1980	53.9	55.8
112	January-March 1980	61.0	56.6
111	October-December 1979	59.0	56.4
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

APPENDIX

TABLE A-1 SPEED DATA FREE FLOW

STATION BL 6 HIGHWAY I-65 LOCATION 7.5 MILES NORTH OF STATE ROAD 160

NO. OF LANES 4 TYPE OF SURFACE BLACKTOP WEATHER PARTLY CLOUDY

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 113)

DATE 8-18-80 DATE 6-11-80
TIME 1:05-1:50 PM NB TIME 10:50 AM-12:05 PM NB
10:05-12:45 PM SB 8:30-9:50 AM SB

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST
NUMBER OF VEHICLES	281	142	127	127	154	182	154	145	52	50	62	130
AVE. SPEED (MPH)	59.23	58.3	58.23	58.23	65.03	58.30	58.17	57.23	57.20	57.23	58.80	58.88
STANDARD DEVIATION	4.45	4.66	4.13	4.42	4.08	3.97	4.26	4.41	4.23	4.41	3.76	4.13
PERCENT												
OF												
VEHICLES	2.1	3.5	1.6	1.6	7.8	3.6	2.8	4.8	3.4	4.8	2.3	1.2
TRAVELING	12.6	1.4	13.4	13.4	47.4	15.9	16.6	23.6	25.4	23.6	11.5	12.8
AT OR	54.4	7.4	63.6	63.6	82.7	57.7	62.1	67.2	66.1	67.2	53.8	57.8
LESS THAN	92.1	97.5	95.2	95.2	89.7	95.2	93.8	94.8	96.6	94.8	94.6	91.6
	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	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	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	142	53	65	65	75	97	74	25	28	25	62	49
AVERAGE SPEED	58.20	59.21	56.75	57.97	65.28	58.40	58.61	57.32	56.70	57.32	59.10	59.27
DIRECTION SB												
NUMBER OF VEHICLES	141	89	62	58.50	79	92	71	37	31	37	61	34
AVERAGE SPEED	59.13	59.23	59.23	58.50	59.80	58.30	57.32	57.16	57.70	57.16	58.50	58.32

TABLE A-2 SPEED DATA FREE FLOW

STATION RI-21 HIGHWAY I-69 LOCATION 1.6 MILES SOUTH OF STATE ROAD 18

NO. OF LANES 4 TYPE OF SURFACE BLACKTOP WEATHER CLOUDY

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 113)

DATE 9-3-80 9-2-80 DATE 6-4-80
 TIME 10:30-11:50 AM 9-3-80 NB TIME 10:45-11:45 PM NB
 11:05 AM-12:20 PM 9-2-80 SB 12:01-12:55 PM SB

	PASSENGER CARS				TRUCKS			
	ALL	INDIANA	PRES-	ALL	ALL	INDIANA	PRES-	ALL
RESERVATION	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	268	271	157	151	157	151	47	47
AVERAGE SPEED (MPH)	58.50	59.33	58.10	59.22	58.60	58.60	58.40	58.40
STANDARD DEVIATION	4.374	5.052	4.113	5.175	4.436	4.421	5.311	5.311
PERCENT	44	44	44	44	44	44	44	44
OF	44	44	44	44	44	44	44	44
VEHICLES	44	44	44	44	44	44	44	44
TRAVELING	44	44	44	44	44	44	44	44
AT (R)	44	44	44	44	44	44	44	44
LESS THAN	44	44	44	44	44	44	44	44
DIRECTION	NB	NB	NB	NB	NB	NB	NB	NB
NUMBER OF VEHICLES	134	137	81	83	83	83	27	27
AVERAGE SPEED	59.00	60.51	58.60	60.60	59.50	59.37	59.34	59.34
DIRECTION	SB	SB	SB	SB	SB	SB	SB	SB
NUMBER OF VEHICLES	134	134	76	76	58	58	26	26
AVERAGE SPEED	58.00	58.12	57.65	57.71	58.45	58.60	57.20	57.20

TABLE A-3 SPEED DATA FREE FLOW

STATION RI-12 HIGHWAY I-74 LOCATION 0.1 MILES WEST OF 109 MILE MARKER

NO OF LANES 4 TYPE OF SURFACE CONCRETE WEATHER OVERCAST

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 110)

DATE 7-31-80 DATE 8-29-79
TIME 10:40-11:20 AM EB TIME 9:30-10:51 PM EB
11:25 AM-12:05 PM WB 8:00-9:30 PM WB

										PASSENGER CARS										TRUCKS																
										ALL					INDIANA					ALL					INDIANA											
										PRES-		ENI		L/SI		PRES-		ENI		PRES-		ENI		PRES-		ENI		PRES-		ENI						
										LASI	ENI	L/SI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI					
OBSERVATION																																				
NUMBER OF VEHICLES										276	263	76	192	76	68	167	167	51	76	167	167	51	76	167	167	51	76	167	167	51	76	167	167	51	76	
AVERAGE SPEED (MPH)										57.70	58.32	57.70	58.02	57.70	59.21	59.10	58.47	58.30	57.89	58.40	58.40	57.89	58.40	58.40	57.89	58.40	58.40	57.89	58.40	58.40	57.89	58.40	58.40			
STANDARD DEVIATION										4.391	4.072	4.291	4.005	4.291	3.991	4.519	4.700	4.428	4.760	4.700	4.428	4.760	4.700	4.428	4.760	4.700	4.428	4.760	4.700	4.428	4.760	4.700	4.428			
PERCENT										4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
OF VEHICLES										2.5	8	4	5	4	0	6	1.8	2.0	2.0	2.6	2.6	2.0	2.6	2.6	2.0	2.6	2.6	2.0	2.6	2.6	2.0	2.6	2.6	2.0	2.6	
TRAVELING										22.5	16.0	22.5	12.0	22.5	7.4	12.6	15.6	13.7	17.1	17.1	12.6	13.7	17.1	17.1	12.6	13.7	17.1	17.1	12.6	13.7	17.1	17.1	12.6	13.7	17.1	
AT OR LESS THAN										67.0	61.6	67.0	63.1	67.0	57.4	51.5	59.9	58.8	64.5	64.5	51.5	58.8	64.5	64.5	51.5	58.8	64.5	64.5	51.5	58.8	64.5	64.5	51.5	58.8		
										25.3	24.7	25.3	23.4	25.3	22.6	23.4	23.4	24.1	27.4	27.4	23.4	24.1	27.4	27.4	23.4	24.1	27.4	27.4	23.4	24.1	27.4	27.4	23.4	24.1		
										98.6	98.5	98.6	99.0	98.6	97.1	98.8	99.4	98.0	99.7	99.7	98.8	98.0	99.7	99.7	98.8	98.0	99.7	99.7	98.8	98.0	99.7	99.7	98.8	98.0	99.7	
										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	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	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										122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
NUMBER OF VEHICLES										57.60	58.67	57.60	58.49	57.60	59.17	59.00	59.15	58.30	58.49	59.15	59.00	58.30	58.49	59.15	59.00	58.30	58.49	59.15	59.00	58.30	58.49	59.15	59.00	58.30	58.49	59.15
AVERAGE SPEED										154	134	154	141	154	133	133	82	28	33	82	133	28	33	82	133	28	33	82	133	28	33	82	133	28	33	
NUMBER OF VEHICLES										57.60	57.99	57.60	57.87	57.60	59.24	59.10	57.76	58.49	57.12	59.24	59.10	58.49	57.12	59.24	59.10	58.49	57.12	59.24	59.10	58.49	57.12	59.24	59.10	58.49	57.12	59.24
AVERAGE SPEED										154	134	154	141	154	133	133	82	28	33	82	133	28	33	82	133	28	33	82	133	28	33	82	133	28	33	82

TABLE A-5 SPEED DATA FREE FLOW

LOCATION 4.9 MILES EAST OF STATE ROAD 57

HIGHWAY I-64

STATION RI 22

WEATHER HAZY

TYPE OF SURFACE BLACKTOP

NO OF LANES 4

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

THIS OBSERVATION

DATE 8-13-80

TIME 8:20

9:28 AM EB

9:40 10:45 AM WB

	PASSENGER CARS				TRUCKS			
	ALL	INDIANA	NON-INDIANA	ALL	ALL	INDIANA	NON-INDIANA	ALL
	PRES-	ENT-	LAST-	PRES-	PRES-	ENT-	LAST-	PRES-
RESERVATION	LAST-	ENT-	LAST-	ENT-	LAST-	ENT-	LAST-	ENT-
NUMBER OF VEHICLES	264	137	127	162	0	54	0	54
AVERAGE SPEED (MPH)	59.25	58.74	59.80	57.80	0	57.80	0	57.80
STANDARD DEVIATION	4.575	4.471	4.711	4.431	0	4.511	0	4.410
PERCENT								
CF								
VEHICLES TRAVELING AT OR LESS THAN								
14 MPH	1	2	1	6	0	0	0	0
15 MPH	11	14	9	4	0	0	0	0
16 MPH	54	55	47	22	0	23	0	23
17 MPH	82	88	87	63	0	66	0	64
18 MPH	97	97	97	66	0	92	0	91
19 MPH	92	92	92	66	0	92	0	92
 
77 MPH	100	100	100	66	0	100	0	100
78 MPH	100	100	100	66	0	100	0	100
79 MPH	100	100	100	66	0	100	0	100
80 MPH	100	100	100	66	0	100	0	100
81 MPH	100	100	100	66	0	100	0	100
82 MPH	100	100	100	66	0	100	0	100
83 MPH	100	100	100	66	0	100	0	100
84 MPH	100	100	100	66	0	100	0	100
85 MPH	100	100	100	66	0	100	0	100
86 MPH	100	100	100	66	0	100	0	100
87 MPH	100	100	100	66	0	100	0	100
88 MPH	100	100	100	66	0	100	0	100
89 MPH	100	100	100	66	0	100	0	100
90 MPH	100	100	100	66	0	100	0	100
91 MPH	100	100	100	66	0	100	0	100
92 MPH	100	100	100	66	0	100	0	100
93 MPH	100	100	100	66	0	100	0	100
94 MPH	100	100	100	66	0	100	0	100
95 MPH	100	100	100	66	0	100	0	100
96 MPH	100	100	100	66	0	100	0	100
97 MPH	100	100	100	66	0	100	0	100
98 MPH	100	100	100	66	0	100	0	100
99 MPH	100	100	100	66	0	100	0	100
100 MPH	100	100	100	66	0	100	0	100
DIRECTION	EB	WB	EB	WB	EB	WB	EB	WB
NUMBER OF VEHICLES	134	134	134	134	134	134	134	134
AVERAGE SPEED	58.47	58.47	58.47	58.47	58.47	58.47	58.47	58.47
DIRECTION	EB	WB	EB	WB	EB	WB	EB	WB
NUMBER OF VEHICLES	130	130	130	130	130	130	130	130
AVERAGE SPEED	60.05	60.05	60.05	60.05	60.05	60.05	60.05	60.05

TABLE A-6 SPEED DATA FREE FLOW

STATION RI-5 HIGHWAY I-64 LOCATION 9.55 MILES WEST OF STATE ROAD 150

NO. OF LANES 4 TYPE OF SURFACE CONCRETE WEATHER SUNNY

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 8-20-80
TIME 11:20 AM 12:10 PM EB
9:12 10:57 AM WB

	PASSENGER CARS				TRUCKS			
	ALL	INDIANA	NON-INDIANA	ALL	ALL	INDIANA	NON-INDIANA	ALL
OBSERVATION	LAST	ENT	L/ST	PRES	LAST	ENT	L/ST	PRES
NUMBER OF VEHICLES	275	111	164	154	0	0	0	0
AVE. SPEED (MPH)	58.59	57.89	59.40	58.58	0	0	0	0
STANDARD DEVIATION	4.66	4.78	4.48	5.41	0	0	0	0
PERCENT								
OF								
VEHICLES	1.8	3.9	6	1.9	0	0	0	0
TRAVELING	16.7	24.3	11.6	19.5	0	0	0	0
AT OR	59.3	52.2	57.3	59.7	0	0	0	0
LESS THAN	89.5	91.1	88.4	85.7	0	0	0	0
	98.5	99.4	98.2	98.7	0	0	0	0
	99.6	100.0	99.4	100.0	0	0	0	0
	100.0	100.0	100.0	100.0	0	0	0	0
	100.0	100.0	100.0	100.0	0	0	0	0
DIRECTION								
NUMBER OF VEHICLES	13	56	74	81	0	0	0	0
AVERAGE SPEED	59.43	58.48	60.15	59.28	0	0	0	0
DIRECTION								
NUMBER OF VEHICLES	145	55	90	73	0	0	0	0
AVERAGE SPEED	58.22	57.29	58.79	57.79	0	0	0	0

TABLE A-8 SPEED DATA FREE FLOW

STATION RI-29 HIGHWAY I-80 & I-90 LOCATION 7.15 MILES WEST OF U.S. 421

NO. OF LANES 4 TYPE CF SURFACE BLACKTOP WEATHER OVERCAST

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 8-5-80
TIME 1:30-2:10 PM, EB
12:40-1:20 PM, WB

		PASSENGER CARS				NON-INDIANA				ALL				TRUCKS			
		ALL		INDIANA		ALL		INDIANA		ALL		INDIANA		ALL		INDIANA	
		PRES-	ENI	LASI	ENI	PRES-	ENI	LASI	ENI	PRES-	ENI	LASI	ENI	PRES-	ENI	LASI	ENI
OBSERVATION		LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI
NUMBER OF VEHICLES		234	30	0	204	0	204	0	204	0	204	0	204	0	204	0	204
AVERAGE SPEED (MPH)		59.50	59.43	0	59.50	0	59.43	0	59.50	0	59.43	0	59.50	0	59.43	0	59.50
STANDARD DEVIATION		4.302	3.702	0	4.302	0	4.302	0	4.302	0	4.302	0	4.302	0	4.302	0	4.302
4 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
44 MPH		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
PERCENT		1.3	1.7	0	1.5	0	1.5	0	1.5	0	1.5	0	1.5	0	1.5	0	1.5
CF		8.5	6.4	0	8.8	0	8.8	0	8.8	0	8.8	0	8.8	0	8.8	0	8.8
VEHICLES		53.0	53.3	0	53.3	0	53.3	0	53.3	0	53.3	0	53.3	0	53.3	0	53.3
TRAVELING		88.0	93.0	0	87.3	0	87.3	0	87.3	0	87.3	0	87.3	0	87.3	0	87.3
AT R		27.9	100.0	0	27.5	0	27.5	0	27.5	0	27.5	0	27.5	0	27.5	0	27.5
LESS THAN		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
74 MPH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 MPH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 MPH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIRECTION		EB	EB	0	EB	0	EB	0	EB	0	EB	0	EB	0	EB	0	EB
NUMBER OF VEHICLES		127	10	0	97	0	97	0	97	0	97	0	97	0	97	0	97
AVERAGE SPEED		58.46	57.40	0	58.57	0	58.57	0	58.57	0	58.57	0	58.57	0	58.57	0	58.57
DIRECTION		WB	WB	0	WB	0	WB	0	WB	0	WB	0	WB	0	WB	0	WB
NUMBER OF VEHICLES		127	20	0	107	0	107	0	107	0	107	0	107	0	107	0	107
AVERAGE SPEED		60.37	60.45	0	60.36	0	60.36	0	60.36	0	60.36	0	60.36	0	60.36	0	60.36

FREE FLOW

```

STATION 41-17 HIGHWAY U.S. 52
LOCATION 150' EAST OF COUNTY ROAD 475 WEST
NO OF LANES 4 TYPE CF SURFACE BLACKTOP WEATHER SUNNY 7-29-80
OVERCAST 7-28-80
THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 113 )
DATE 7-28-80, 7-29-80 DATE 5-27-80
TIME 9:05-10:20 AM, 7-28-80 FB TIME 9:30-10:45 AM FB
WB 11:00 AM - 12:30 PM, WB

```

OBSERVATION	INDIANA			NON-INDIANA			ALL			TRUCKS		
	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-
NUMBER OF VEHICLES	277	284		277	26		277	143		277	84	
AVERAGE SPEED (MPH)	55.90	55.74		55.60	58.20		55.19	56.22		54.70	55.23	
STANDARD DEVIATION	5.32	5.50		5.35	4.43		5.69	5.65		4.78	4.57	
24 MPH												
34 MPH												
44 MPH												
54 MPH												
PER CENT												
CF												
VEHICLES	11.6	10.6		12.4	3.8		11.1	11.2		11.9	10.9	
TRAVELING	3.5	3.5		3.5	13.4		23.9	36.4		33.6	42.3	
FT OR	78.2	78.2		75.7	65.4		66.7	73.4		83.3	81.3	
LESS THAN	96.4	95.4		96.4	96.4		92.6	98.6		91.6	98.3	
74 MPH	99.6	99.6		96.6	100.0		100.0	100.0		100.0	100.0	
72 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
70 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
68 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
DIRECTION	145	145		41	8		18	69		40	53	
NUMBER OF VEHICLES	54	54		55	61		55	57		55	56	
AVERAGE SPEED	57.30	57.30		57.24	61.30		57.78	57.87		57.00	57.20	
DIRECTION	139	139		111	18		9	74		44	39	
NUMBER OF VEHICLES	128	128		128	160		160	160		160	160	
AVERAGE SPEED	54.12	54.12		53.58	56.80		56.50	57.69		57.00	57.00	

TABLE A-10 SPEED DATA FREE FLOW

STATION 4L-22 HIGHWAY U.S. 30 LOCATION 2.9 MILES WEST OF WANATAH CITY LIMIT SIGN
 NO. OF LANES 4 TYPE OF SURFACE BLACKTOP WEATHER HAZY
 THIS OBSERVATION DATE 8-1-80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 113)
 DATE 11-00-11:50 AM, EB DATE 6-5-80
 TIME 10:15 - 10:55 AM, WB TIME 11:50 AM - 1:15 PM, EB
 TIME 9:05 - 10:30 AM, WB

	OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
		LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI
NUMBER OF VEHICLES	228	268	187	189	79	51	185	163	47	57	138	106	
AVERAGE SPEED (MPH)	56.8	57.3	56.5	56.8	57.7	58.2	56.4	56.6	54.8	56.4	57.0	56.7	
STANDARD DEVIATION	4.66	4.48	4.24	4.69	4.61	4.61	4.87	4.68	5.17	4.66	4.66	4.74	
PERCENT													
IF													
VEHICLES													
TRAVELING													
AT OR													
LESS THAN													
DIRECTION													
NUMBER OF VEHICLES	111	134	87	84	28	28	101	82	25	32	76	50	
AVERAGE SPEED	56.4	57.5	56.5	57.1	57.4	57.4	55.7	57.2	54.2	56.2	56.0	54.7	
DIRECTION													
NUMBER OF VEHICLES	127	134	104	105	23	23	84	81	22	25	62	58	
AVERAGE SPEED	57.2	56.8	56.8	56.7	59.1	59.1	57.2	56.5	54.7	56.3	58.1	55.8	

TABLE A-11 SPEED DATA FREE FLOW

STATION 41-23 HIGHWAY U.S. 41 LOCATION 1.1 MILES NORTH OF STATE ROAD 2

NO. OF LANES 4 TYPE OF SURFACE BLACKTOP WEATHER SUNNY

THIS OBSERVATION IS ON 8-15-80

DATE 11:30 AM - 12:30 PM, NB

TIME 10:20 - 11:20 AM, SB

DATE 9-5-79 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 110)

TIME 10:30 AM - 12:22 PM, NB

TIME 12:35 - 1:56 PM, SB

PASSING CARS										TRUCKS									
INDIANA					NON-INDIANA					ALL					PRES-				
PRES-	ENI	L	SI	LAST	PRES-	ENI	LAST	ENI	LAST	PRES-	ENI	LAST	ENI	LAST	PRES-	ENI	LAST	ENI	LAST
231	250	103	103	128	165	85	195	179	80	179	85	195	179	80	179	85	195	179	80
57.17	56.5	57.17	56.5	56.6	57.14	56.6	57.22	55.50	55.80	56.38	56.24	55.80	56.24	55.80	56.24	55.80	56.24	55.80	55.80
5.16	4.45	4.90	4.90	5.216	4.430	5.216	4.500	6.628	5.092	5.287	5.494	5.092	5.494	5.092	5.494	5.092	5.494	5.092	5.092
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 MPH	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
PERCENT	4.8	5.8	5.8	6.3	6.8	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
VEHICLES	28.4	31.8	31.8	37.5	28.5	37.5	28.2	40.5	42.5	31.8	42.5	31.8	42.5	31.8	42.5	31.8	42.5	31.8	42.5
TRAVELING	74.8	71.8	71.8	76.6	73.3	76.6	65.9	73.3	77.5	72.1	77.5	72.1	77.5	72.1	77.5	72.1	77.5	72.1	77.5
AT A R	91.3	93.2	93.2	91.4	93.2	91.4	98.8	99.5	98.8	94.4	98.8	94.4	98.8	94.4	98.8	94.4	98.8	94.4	98.8
LESS THAN	99.1	99.6	99.6	99.2	99.6	99.2	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
17 MPH	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
15 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
13 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
11 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
9 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
7 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
5 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
3 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
1 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	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB
NUMBER OF VEHICLES	121	127	59	89	89	38	93	90	46	55.19	45	53.50	45	47	55.19	45	53.50	45	47
AVERAGE SPEED	55.30	56.28	55.40	56.42	56.42	55.10	55.95	55.19	53.50	55.19	55.78	53.50	55.78	53.50	55.19	55.78	53.50	55.78	53.50
DIRECTION	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
NUMBER OF VEHICLES	111	123	44	76	76	67	102	89	34	57.58	33	59.40	33	34	57.58	33	59.40	33	34
AVERAGE SPEED	58.00	58.09	58.10	57.99	57.99	58.00	58.26	57.58	59.40	57.58	56.88	59.40	56.88	59.40	57.58	56.88	59.40	56.88	59.40

TABLE A-12 SPEED DATA FREE FLOW

STATION 4L-21 HIGHWAY U.S. 31 LOCATION 1.1 MILES SOUTH OF STATE ROAD 38

NO. OF LANES 4 TYPE OF SURFACE BLACKTOP WEATHER HAZY (NIGHT READING)

THIS OBSERVATION DATE 8-7-80 LAST PREVIOUS OBSERVATION (SPED REPORT NO. 110)

DATE 9:40 - 10:30 PM, NB TIME 8:25 - 9:15 PM, SB DATE 11:02 - 11:57 AM, NB TIME 10:26 - 10:59 AM, SB

		PASSENGER CARS				TRUCKS			
		INDIANA		NON-INDIANA		<5000 LBS.		>5000 LBS.	
		ALL PRES-		ALL PRES-		ALL PRES-		ALL PRES-	
		LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
OBSERVATION		258	336	17	125	55	91	55	41
NUMBER OF VEHICLES		258	336	17	125	55	91	55	41
AVERAGE SPEED (MPH)		56.60	54.99	56.80	55.90	55.60	51.66	56.20	54.56
STANDARD DEVIATION		4.378	4.948	3.419	4.721	4.591	7.163	5.197	4.441
4 MPH									
9 MPH									
14 MPH									
19 MPH									
24 MPH		1.3	3	0	8	2.2	5.5	2.2	1.4
29 MPH		4.5	13.4	0	18.0	34.1	13.4	10.2	2.2
34 MPH		29.5	45.8	23.5	37.0	5.5	34.1	28.6	16.0
39 MPH		76.9	83.0	88.2	79.2	83.6	70.7	86.0	49.0
44 MPH		96.0	97.0	94.1	98.4	98.2	93.1	98.6	86.0
49 MPH		100.0	99.4	100.0	99.2	100.0	100.0	100.0	100.0
54 MPH		100.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
59 MPH		100.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
64 MPH		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
69 MPH		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
74 MPH		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
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
94 MPH		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99 MPH		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
104 MPH		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
109 MPH		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
 

TABLE A-14 SPEED DATA FREE FLOW

STATION 41-6 HIGHWAY U.S. 40 LOCATION 1.75 MILES WEST OF BRAZIL CITY LIMITS

NO. OF LANES 4 TYPE OF SURFACE BLACKTOP WEATHER HAZY

THIS OBSERVATION 8-11-80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 12:05 PM, EB
TIME 10:50 AM - 12:05 PM, WB

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	ALL	PRES-	ENI	ALL	PRES-	ENI	ALL	PRES-	ENI	ALL	PRES-	ENI
OBSERVATION	LAST	ENI	L/ST	LAST	ENI	L/ST	LAST	ENI	L/ST	LAST	ENI	L/ST
NUMBER OF VEHICLES	363	346	346	346	346	346	346	346	346	346	346	346
AVERAGE SPEED (MPH)	54.93	54.98	54.98	54.98	54.98	54.98	54.98	54.98	54.98	54.98	54.98	54.98
STANDARD DEVIATION	5.188	5.126	5.126	5.126	5.126	5.126	5.126	5.126	5.126	5.126	5.126	5.126
PERCENT												
OF												
VEHICLES												
TRAVELING												
AT OR												
LESS THAN												
DIRECTION	EB											
NUMBER OF VEHICLES	210	203	203	203	203	203	203	203	203	203	203	203
AVERAGE SPEED	54.97	55.02	55.02	55.02	55.02	55.02	55.02	55.02	55.02	55.02	55.02	55.02
DIRECTION	WB											
NUMBER OF VEHICLES	153	143	143	143	143	143	143	143	143	143	143	143
AVERAGE SPEED	54.88	54.91	54.91	54.91	54.91	54.91	54.91	54.91	54.91	54.91	54.91	54.91

TABLE A-15 SPEED DATA FREE FLOW

STATION 4E-22 HIGHWAY U. S. 31 LOCATION 1.65 MILES SOUTH OF STATE ROAD 26

NC ICF LANES 4 TYPE I F SURFACE BLACKTOP WEATHER HAZY

THIS OBSERVATION 8-28-80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 2)

DATE 11:50 AM - 12:55 PM, NB
TIME 9:40 - 10:50 AM, SB

	EASSENGER CARS			NON-INDIANA			ALL			IRBENS		
	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI	PRES-	ENI	LASI
OBSERVATION												
NUMBER OF VEHICLES	313			256	57		135					
AVERAGE SPEED (MPH)	55.17			55.86	52.04		56.84			56.74		
STANDARD DEVIATION	9.117			7.563	*		4.125			4.203		
PERCENT												
IF												
VEHICLES	3.2			3.1	3.5		5.2			6.9		
TRAVELING	20.4			20.7	19.3		22.2			23.4		
AT OR	69.9			73.0	50.9		73.3			71.4		
LESS THAN	89.8			53.0	75.4		92.5			96.6		
	93.3			56.1	80.7		100.0			100.0		
	93.6			56.1	82.5		100.0			100.0		
	93.6			56.1	82.5		100.0			100.0		
	93.6			56.1	82.5		100.0			100.0		
	93.6			56.1	82.5		100.0			100.0		
DIRECTION NB												
NUMBER OF VEHICLES	145			127	18		70			29		
AVERAGE SPEED	58.33			58.06	57.89		56.90			56.48		
DIRECTION SB												
NUMBER OF VEHICLES	148			139	39		75			29		
AVERAGE SPEED	56.57			51.57	49.33		52.41			57.00		

TABLE A-16 SPEED DATA FREE FLOW

STATION 41-26 HIGHWAY STATE ROAD 9 LOCATION 1.4 MILES NORTH OF STATE ROAD 124

NO. OF LANES 4 TYPE OF SURFACE CONCRETE WEATHER HAZY

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 8-25-80
TIME 11:15 AM - 2:20 PM, NB
2:25 - 4:45 PM, SB

										PASSENGER CARS										TRUCKS																			
										ALL					INDIANA					NON-INDIANA					ALL					PRES-					>5000 LBS.				
										LAST		ENI		PRES-	LAST		ENI		PRES-	LAST		ENI		PRES-	LAST		ENI		PRES-	LAST		ENI		PRES-					
										LAST	ENI	LAST	ENI		LAST	ENI	LAST	ENI		LAST	ENI	LAST	ENI		LAST	ENI	LAST	ENI											
(OBSERVATION)										281	265	0	16		137	137	0	42		137	137	0	42		137	137	0	42		137	137	0	42		137	137			
NUMBER OF VEHICLES										56.83	56.69	0	59.12		56.58	56.58	0	54.69		56.58	56.58	0	54.69		56.58	56.58	0	54.69		56.58	56.58	0	54.69		56.58	56.58			
AVE. SPEED (MPH)										53.34	53.35	0	43.88		6.091	6.091	0	5.42		6.091	6.091	0	5.42		6.091	6.091	0	5.42		6.091	6.091	0	5.42		6.091	6.091			
STANDARD DEVIATION										0	0	0	0		0	0	0	0		0	0	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		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			
44 MPH										0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0			
PERCENT										1.8	1.2	0	0		1.5	1.5	0	0		1.5	1.5	0	0		1.5	1.5	0	0		1.5	1.5	0	0		1.5	1.5			
OF										7.8	8.3	0	0		2.0	2.0	0	0		2.0	2.0	0	0		2.0	2.0	0	0		2.0	2.0	0	0		2.0	2.0			
VEHICLES										26.4	27.3	0	0		10.9	10.9	0	16.3		10.9	10.9	0	16.3		10.9	10.9	0	16.3		10.9	10.9	0	16.3		10.9	10.9			
TRAVELING										72.6	73.6	0	56.3		65.2	65.2	0	81.6		65.2	65.2	0	81.6		65.2	65.2	0	81.6		65.2	65.2	0	81.6		65.2	65.2			
AT 4'R										33.2	32.6	0	87.3		91.2	91.2	0	91.8		91.2	91.2	0	91.8		91.2	91.2	0	91.8		91.2	91.2	0	91.8		91.2	91.2			
LESS THAN										58.2	58.9	0	100.0		99.3	99.3	0	100.0		99.3	99.3	0	100.0		99.3	99.3	0	100.0		99.3	99.3	0	100.0		99.3	99.3			
24 MPH										100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0			
34 MPH										100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0			
44 MPH										100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0	0	100.0		100.0	100.0			
PERCENT										141	131	0	10		67	67	0	29		67	67	0	29		67	67	0	29		67	67	0	29		67	67			
DIRECTION NB										56.93	56.71	0	59.80		55.76	55.76	0	54.90		55.76	55.76	0	54.90		55.76	55.76	0	54.90		55.76	55.76	0	54.90		55.76	55.76			
NUMBER OF VEHICLES										141	131	0	10		70	70	0	20		70	70	0	20		70	70	0	20		70	70	0	20		70	70			
DIRECTION SB										56.73	56.67	0	58.00		57.38	57.38	0	53.70		57.38	57.38	0	53.70		57.38	57.38	0	53.70		57.38	57.38	0	53.70		57.38	57.38			
NUMBER OF VEHICLES										56.73	56.67	0	58.00		57.38	57.38	0	53.70		57.38	57.38	0	53.70		57.38	57.38	0	53.70		57.38	57.38	0	53.70		57.38	57.38			
AVE. SPEED										56.73	56.67	0	58.00		57.38	57.38	0	53.70		57.38	57.38	0	53.70		57.38	57.38	0	53.70		57.38	57.38	0	53.70		57.38	57.38			

TABLE A-17 SPEED DATA
FREE FLOW

STATION 21-18

U.S. 35

HIGHWAY

LOCATION

2.5 MILES EAST OF I-69

NO	TYPE	OF	SURFACE	BLACKTOP	WEATHER	SUNNY
2						

THIS OBSERVATION

DATE 8-22-80
TIME 10:50 AM - 12:45 PM

DATE 6-2-80
TIME 10:55 AM - 12:05 PM

OBSERVATION	ALL PRES			PASSENGER CARS			INDIAN			NON-INDIAN			ALL PRES			TRUCKS		
	LAST	ENI	PRES	LAST	ENI	PRES	LAST	ENI	PRES	LAST	ENI	PRES	LAST	ENI	PRES	LAST	ENI	PRES
NUMBER OF VEHICLES	275	282		160	15		20	154		143	68		85	8		2500	18	
AVERAGE SPEED (MPH)	54	54		54	58		58	53		55	52		50	55		55	55	
STANDARD DEVIATION	5	5		5	4		4	6		4	5		6	5		4	5	
24 MPH	0	0		0	0		0	0		0	0		0	0		0	0	
30 MPH	0	0		0	0		0	0		0	0		0	0		0	0	
36 MPH	4	3		4	6		1	1		4	2		1	2		1	2	
42 MPH	4	3		3	6		0	1		1	2		1	1		1	1	
48 MPH	17	18		18	20		19	19		11	23		16	15		16	15	
54 MPH	50	52		52	57		57	53		44	53		41	45		40	43	
60 MPH	83	84		83	86		85	87		82	88		83	88		88	88	
66 MPH	96	95		95	100		98	95		95	96		98	98		98	98	
72 MPH	98	99		98	100		100	99		100	100		100	100		100	100	
78 MPH	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	
89 MPH	100	100		100	100		100	100		100	100		100	100		100	100	
EB																		
DIRECTION OF TRAVEL	157	129		157	7		11	64		82	37		33	39		33	39	
NUMBER OF VEHICLES	52	53		52	55		52	53		55	54		52	52		52	52	
AVERAGE SPEED (MPH)	54	54		54	58		58	53		55	53		51	51		51	51	
DIRECTION OF TRAVEL	118	149		118	8		9	94		61	42		21	50		50	50	
NUMBER OF VEHICLES	118	158		118	13		13	13		13	13		13	13		13	13	
AVERAGE SPEED (MPH)	54	54		54	58		58	53		55	53		51	51		51	51	

TABLE A-18 SPEED DATA FREE FLOW

STATION 2L-54 HIGHWAY U. S. 231 LOCATION 1.1 MILES SOUTH OF STATE ROAD 234

NO. OF LANES 2 TYPE OF SURFACE BLACKTOP WEATHER PARTLY CLOUDY

THIS OBSERVATION DATE 8-6-80, 8-7-80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 113)

DATE 10:15 AM - 12:20 PM, 8-6-80
 TIME 10:30 AM - 11:45 PM, 8-7-80
 DATE 6-9-80
 TIME 9:30 AM - 12:15 PM

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENT	L/ST	LAST	ENT	LAST	LAST	ENT	LAST	LAST	ENT	PRES-
NUMBER OF VEHICLES	227	207	248	17	19	255	158	158	108	55	55	>5000 LBS.
AVERAGE SPEED (MPH)	54.70	56.98	56.81	55.70	59.26	54.6	55.72	54.00	55.22	55.22	55.30	PRES-
STANDARD DEVIATION	4.80	5.85	5.84	5.02	5.18	4.96	5.59	4.57	5.45	5.32	5.67	
4 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	4	4	4	0	0	5	6	6	1	1	1	
44 MPH	2	2	2	0	0	2	5	5	2	2	2	
49 MPH	15	6	14	17	0	14	10	8	16	12	12	
54 MPH	48	32	55	32	21	47	34	8	53	41	41	
TRAVELING	83	69	83	82	47	83	78	5	88	78	78	
AT (R)	38	91	98	103	94	97	96	2	94	97	97	
LESS THAN	1	0	10	10	0	1	0	0	10	10	10	
9 MPH	1	0	2	10	0	0	0	0	10	10	10	
14 MPH	1	0	0	10	0	10	0	0	10	10	10	
19 MPH	1	0	0	10	0	10	0	0	10	10	10	
24 MPH	1	0	1	10	0	10	0	0	10	10	10	
29 MPH	1	0	1	10	0	10	0	0	10	10	10	
DIRECTION NB	126	131	122	4	11	86	83	32	32	37	37	
NUMBER OF VEHICLES	54	56	54	50	60	54	56	49	53	56	56	
AVERAGE SPEED	54.60	56.88	54.50	52.00	56.27	54.90	56.49	56.48	56.20	56.50	56.50	
DIRECTION SB	101	136	88	13	8	119	75	69	32	50	50	
NUMBER OF VEHICLES	54	87	54	55	57	54	54	85	54	54	54	
AVERAGE SPEED	54.80	57.8	54.7	55.30	57.87	54.40	54.85	54.31	54.50	54.50	54.50	

TABLE A-19 SPEED DATA FREE FLOW

STATION 2L 79 HIGHWAY SR 25 LOCATION 0.7 MILES SOUTH OF AMERICUS
 NO. OF LANES 2 TYPE OF SURFACE BLACKTOP WEATHER CLOUDY (NIGHT READING)

THIS OBSERVATION DATE 7-31-80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 110)
 DATE 8-3-79 TIME 11:00 AM - 12:59 PM

	ALL			INDIANA			NON-INDIANA			ALL			PRES			TRUCKS		
	LASI	ENI	PRES	LASI	ENI	PRES	LASI	ENI	PRES	LASI	ENI	PRES	LASI	ENI	PRES	LASI	ENI	PRES
OBSERVATION																		
NUMBER OF VEHICLES	278	372	261	372	372	261	17	17	17	159	159	159	76	76	76	80	80	80
AVERAGE SPEED (MPH)	55.8	57.4	55.8	57.4	57.4	55.8	55.60	55.60	55.60	53.60	52.42	52.42	54.00	54.00	54.00	53.30	52.42	52.42
STANDARD DEVIATION	5.75	5.23	5.54	5.23	5.23	5.54	5.728	5.728	5.728	5.138	5.241	5.241	4.954	4.954	4.954	5.309	5.241	5.241
PERCENT																		
OF																		
VEHICLES																		
TRAVELING																		
AT OR																		
LESS THAN																		
DIRECTION																		
NUMBER OF VEHICLES	144	185	143	185	185	143	12	12	12	72	72	72	33	33	33	39	39	39
AVERAGE SPEED	55.90	53.59	55.90	53.59	53.59	55.90	55.70	55.70	55.70	53.80	51.12	51.12	53.30	53.30	53.30	54.20	51.12	51.12
DIRECTION																		
NUMBER OF VEHICLES	136	192	131	192	192	131	5	5	5	84	84	84	43	43	43	41	41	41
AVERAGE SPEED	55.70	53.21	55.70	53.21	53.21	55.70	55.40	55.40	55.40	53.50	53.72	53.72	54.60	54.60	54.60	52.40	53.72	53.72

STATION 24-5
HIGHWAY
S.R. 3,

HIGHWAY S.R. 3,

LOCATION-----1.4 MILES NORTH OF BLACKFORD-DELAWARE COUNTY LINE-----

NC. OF LANES 2 TYPE OF SURFA

BLACKTOP

WEATHER-----PARTLY SUNNY

THIS OBSERVATION
DATE 8-4-80

LAST	PREVI	DATE	TIME
------	-------	------	------

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

OBSERVATION	ALL		PASSENGER CARS		NON-INDIANA		INDIANA		TRUCKS		LBS	
	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	314	272	42	136	0	71	0	71	0	62	0	62
AVERAGE SPEED (MPH)	53.80	54.19	51.26	53.22	0	52.87	0	52.87	0	51.17	0	51.17
STANDARD DEVIATION	5.181	4.348	8.503	5.325	0	5.629	0	5.629	0	4.987	0	4.987
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
PERCENT												
49 MPH	17.2	11.4	2.87	12.70	0	1.47	0	1.47	0	1.5	0	1.5
54 MPH	33.5	38.1	6.91	22.41	0	3.49	0	3.49	0	3.3	0	3.3
TRAVELING												
AT 60	87.3	87.1	8.81	87.5	0	89.8	0	89.8	0	89.2	0	89.2
LESS THAN												
42 MPH	39.4	38.5	9.71	37.8	0	33.6	0	33.6	0	39.0	0	39.0
44 MPH	27.7	30.0	6.69	27.3	0	23.3	0	23.3	0	27.0	0	27.0
49 MPH	10.0	11.0	1.90	10.0	0	1.00	0	1.00	0	10.0	0	10.0
54 MPH	1.1	1.1	0.00	1.00	0	0.00	0	0.00	0	1.0	0	1.0
39 NB												
DIRECTION												
AVERAGE SPEED	123	123	20.45	123.6	0	112	0	112	0	123	0	123
STANDARD DEVIATION	5.65	5.35	5.74	5.36	0	5.41	0	5.41	0	5.3	0	5.3
NUMBER OF VEHICLES	122	150	22	63	0	71	0	71	0	61	0	61
AVERAGE SPEED	52.27	53.23	45.64	52.56	0	53.17	0	53.17	0	52.91	0	52.91

TABLE A-22 SPEED DATA FREE FLOW

STATION 21-8 HIGHWAY S.R. 25 LOCATION 10.95 MILES NORTH OF DELPHI CITY LIMITS

NO. OF LANES 2 TYPE OF SURFACE BLACKTOP WEATHER CLOUDY

THIS OBSERVATION DATE 9-4-80, 9-5-80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 9-4-80, 9-5-80
TIME 9:35 AM - 2:15 PM, 9-4-80
9:00 AM - 10:10 AM, 9-5-80

PASSINGER CARS										TRUCKS									
INDIANA					ALL					INDIANA					ALL				
FRES -					PRES -					FRES -					PRES -				
LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI		
OBSERVATION																			
NUMBER OF VEHICLES																			
AVE. SPEED (MPH)																			
STANDARD DEVIATION																			
34 MPH																			
32 MPH																			
34 MPH																			
34 MPH																			
PERCENT																			
CF																			
VEHICLES																			
TRAVELING																			
AT OR																			
LESS THAN																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			
34 MPH																			

STATION 21-72 HIGHWAY U. S. 31 LOCATION 0.85 MILES NORTH OF SCOTTSBURG CITY LIMITS

ICE LANE	TYPE OF SURFACE	BLACKTOP	WEATHER	HAZY
2				

THIS OBSERVATION	LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

THIS OBSERVATION
DATE 8-19-80
TIME --8:20--

[illegible]

STATICA UI-56

6 LINES

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 113)

THIS OBSERVATION

DATE 8-10-80
TIME 10:00 - 10:30 AM, EB

DATE 5-28-80
TIME 10:30 - 11:00 AM, EB

11:40 AM - 12:05 PM. WB

12:10 - 12:35 PM, WB

EASSENGER - CARS

TRUCKS

[illegible]

STATION	HIGHWAY	I-80	LOCATION	FIRST BRIDGE EAST OF BURR STREET INTERCHANGE	TABLE A-26 SPEED DATA	FREE FLOW
---------	---------	------	----------	--	-----------------------	-----------

NO. OF PLANE	TYPE OF SURFACE	BLACKTOP	WEATHER	CLOUDY
6				

THIS OBSERVATION	LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 110)
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

DATE	TIME	DATE	TIME
7-30-80	12:38	9-10-79	12:27
12:58	1:20 PM, EB	12:27	12:57 PM, EB
10:30	11:02 AM, WB	12:15 AM	12:06 PM, WB

TRUCKS

[illegible]

TABLE A-28 SPEED DATA FREE FLOW

LOCATION 1.35 MILES NORTH OF I-64

HIGHWAY I-265

STATION UI-C8

WEATHER SUNNY, HOT

TYPE OF SURFACE CONCRETE

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

THIS OBSERVATION

DATE 8-20-80

TIME 8:05 - 9:55 AM, NB

TIME 9:10 - 9:55 AM, SB

	PASSENGER CARS			NON-INDIANA			TRUCKS		
	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-	ALL	INDIANA	PRES-
NUMBER OF VEHICLES	222	168	57	208	168	40	208	168	40
AVERAGE SPEED (MPH)	57.74	57.25	59.18	57.40	57.25	56.81	57.40	57.25	56.81
STANDARD DEVIATION	4.622	4.103	5.247	5.107	4.103	5.166	5.107	4.103	4.887
PERCENT									
OF									
VEHICLES	3.1	6.4	5.3	6.3	6.4	6.3	6.3	6.4	6.3
TRAVELING	68.0	72.0	56.1	63.0	72.0	70.3	63.0	72.0	59.0
AT OR	32.0	30.4	78.2	21.8	30.4	88.2	21.8	30.4	23.3
LESS THAN	100.0	100.0	100.0	98.6	100.0	98.6	98.6	100.0	98.6
	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	NB	NB	NB	NB	NB	NB	NB	NB	NB
NUMBER OF VEHICLES	122	88	34	99	88	39	99	88	39
AVERAGE SPEED	58.52	57.55	61.36	58.69	57.55	57.82	58.69	57.82	59.25
DIRECTION	SB	SB	SB	SB	SB	SB	SB	SB	SB
NUMBER OF VEHICLES	103	80	23	109	80	35	109	80	35
AVERAGE SPEED	56.81	56.82	56.32	56.34	56.82	56.10	56.34	56.82	56.50

TABLE A-29 SPEED DATA FREE FLOW

STATION RIAL HIGHWAY RURAL INTERSTATE LOCATION SEE INDIVIDUAL STATISTICS

MC OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 113)

DATE JULY - SEPTEMBER 1980

DATE APRIL - JUNE 1980

TIME

TIME

OBSERVATION		PASSENGER CARS		NON-INDIANA		ALL		TRUCKS	
LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-
NUMBER OF VEHICLES	2074	1113	971	1332	458	1332	458	1332	458
AVE. SPEED (MPH)	58.89	58.41	59.43	58.58	57.61	58.58	57.61	58.58	57.61
STANDARD DEVIATION	4.227	4.554	4.436	4.688	4.692	4.688	4.692	4.688	4.692
24 MPH									
29 MPH									
34 MPH									
39 MPH									
44 MPH									
49 MPH									
54 MPH									
59 MPH									
64 MPH									
69 MPH									
74 MPH									
79 MPH									
84 MPH									
89 MPH									
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN									
14.5	18.0	2.4	12.5	17.2	23.2	17.2	23.2	17.2	23.2
17.8	22.4	5.2	14.5	21.6	27.4	21.6	27.4	21.6	27.4
20.8	26.4	8.2	17.9	24.6	31.6	24.6	31.6	24.6	31.6
24.4	30.4	12.2	22.5	29.2	36.2	29.2	36.2	29.2	36.2
28.4	34.4	16.2	26.5	33.2	40.2	33.2	40.2	33.2	40.2
32.4	38.4	20.2	30.5	37.2	44.2	37.2	44.2	37.2	44.2
36.4	42.4	24.2	34.5	41.2	48.2	41.2	48.2	41.2	48.2
40.4	46.4	28.2	38.5	45.2	52.2	45.2	52.2	45.2	52.2
44.4	50.4	32.2	42.5	49.2	56.2	49.2	56.2	49.2	56.2
48.4	54.4	36.2	46.5	53.2	60.2	53.2	60.2	53.2	60.2
52.4	58.4	40.2	50.5	57.2	64.2	57.2	64.2	57.2	64.2
56.4	62.4	44.2	54.5	61.2	68.2	61.2	68.2	61.2	68.2
60.4	66.4	48.2	58.5	65.2	72.2	65.2	72.2	65.2	72.2
64.4	70.4	52.2	62.5	69.2	76.2	69.2	76.2	69.2	76.2
68.4	74.4	56.2	66.5	73.2	80.2	73.2	80.2	73.2	80.2
72.4	78.4	60.2	70.5	77.2	84.2	77.2	84.2	77.2	84.2
76.4	82.4	64.2	74.5	81.2	88.2	81.2	88.2	81.2	88.2
80.4	86.4	68.2	78.5	85.2	92.2	85.2	92.2	85.2	92.2
84.4	90.4	72.2	82.5	89.2	96.2	89.2	96.2	89.2	96.2
88.4	94.4	76.2	86.5	93.2	100.2	93.2	100.2	93.2	100.2
92.4	98.4	80.2	90.5	97.2	100.2	97.2	100.2	97.2	100.2
96.4	102.4	84.2	94.5	100.2	100.2	100.2	100.2	100.2	100.2
100.4	106.4	88.2	98.5	100.2	100.2	100.2	100.2	100.2	100.2

TABLE A-30 SPEED DATA FREE FLOW

STATION 4111 HIGHWAY 4-LANE LOCATION SEE INDIVIDUAL STATIONS

NO OF LANES TYPE CF S RFACE WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 113)
DATE JULY - SEPTEMBER 1980 DATE APRIL - JUNE 1980
TIME TIME

OBSERVATION										TRUCKS									

STATION	2-LANE	HIGHWAY	2-LANE	LOCATION	SEE INDIVIDUAL STATIONS	TABLE A-31	SPEED DATA	FREE FLOW
---------	--------	---------	--------	----------	-------------------------	------------	------------	-----------

THIS OBSERVATION (SPEED REPORT NO. LL#)

WEATHER

TYPE OF SURFACE

MC-1CF LANE

THIS | CBSE R V A T I C A |
DATE | JULY - | SEPTEMBER 1980

LAST PREVIOUS OBSERVATION
DATE APRIL - JUNE 1980

[illegible]

TIME

	ALL			PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-
NUMBER OF VEHICLES	2383			2203			180			1124			0		
AVE SPEED (MPH)	55.7			54.8			58.7			54.2			0		
STANDARD DEVIATION	5.968			5.753			7.517			5.762			0		
34 MPH	0			0			0			0			0		
39 MPH	0			0			0			0			0		
44 MPH	0			0			0			0			0		
PERCENT	3.7			3.2			1.1			1			0		
45 MPH	15.1			15.2			15.0			5.3			0		
VEHICLES	45.7			45.7			20.7			19.3			0		
TRAVELING	79.4			81.7			52.2			82.9			0		
AT CR	94.5			95.4			76.7			96.8			0		
LESS THAN	98.7			98.8			97.8			99.5			0		
74 MPH	99.5			99.6			98.9			99.9			0		
79 MPH	100.0			100.0			100.0			100.0			0		
84 MPH	100.0			100.0			100.0			100.0			0		
89 MPH	100.0			100.0			100.0			100.0			0		

TABLE A-34 SPEED DATA EVERY SECOND VEHICLE

STATION RI-21 HIGHWAY I-69 LOCATION 1.6 MILES SOUTH OF STATE ROAD 18

NO. OF LANES 4 TYPE OF SURFACE BLACKTOP WEATHER CLOUDY

THIS OBSERVATION DATE 9-3-80, 9-2-80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 11:00 AM - 12:50 PM, 93-80, NB

TIME 11:35 AM - 1:00 PM, 9-2-80, SB

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENT	PRES	LAST	ENT	PRES	LAST	ENT	PRES	LAST	ENT	PRES
OBSERVATION	LAST	ENT	PRES	LAST	ENT	PRES	LAST	ENT	PRES	LAST	ENT	PRES
NUMBER OF VEHICLES	283	177	106	0	144	0	0	144	0	0	46	98
AVERAGE SPEED (MPH)	58.31	57.63	59.45	0	58.42	0	0	57.48	0	0	57.48	58.26
STANDARD DEVIATION	5.121	5.225	4.787	0	5.094	0	0	5.154	0	0	5.154	5.021
4 MPH	0	0	0	0	0	0	0	0	0	0	0	0
12 MPH	0	0	0	0	0	0	0	0	0	0	0	0
20 MPH	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
PERCENT	4	6	0	0	7	0	0	0	0	0	0	1
(CF	2.8	4.5	0	0	1.4	0	0	2.2	0	0	0	1
VEHICLES	21.9	27.7	12.3	0	18.1	0	0	28.3	0	0	13.3	3
TRAVELING	62.2	66.7	54.7	0	56.9	0	0	61.1	0	0	54.1	1
AT 1 R	90.1	91.0	88.7	0	88.9	0	0	91.3	0	0	87.8	0
LESS THAN	92.9	98.3	97.2	0	98.6	0	0	100.0	0	0	98.0	0
74 MPH	92.9	98.3	97.2	0	98.6	0	0	100.0	0	0	98.0	0
72 MPH	92.9	98.3	97.2	0	98.6	0	0	100.0	0	0	98.0	0
54 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	NB	NB	NB	0	0	0	0	0	0	0	0	0
NUMBER OF VEHICLES	141	91	50	0	58.27	0	0	58.65	0	0	58.65	58.20
AVERAGE SPEED	58.22	58.27	58.20	0	58.27	0	0	58.27	0	0	58.27	58.20
DIRECTION	SB	SB	SB	0	0	0	0	0	0	0	0	0
NUMBER OF VEHICLES	142	86	56	0	56.94	0	0	57.96	0	0	56.94	58.71
AVERAGE SPEED	57.63	56.94	58.70	0	56.94	0	0	57.96	0	0	56.94	58.71

TABLE A-35 SPEED DATA EVERY SECOND VEHICLE

STATION	RI-17	HIGHWAY	I-70	LOCATION	1.05 MILES EAST OF STATE ROAD 9
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

NO. OF LANES	4	TYPE OF SURFACE	CONCRETE	WEATHER
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
25	25	25	25	25
26	26	26	26	26
27	27	27	27	27
28	28	28	28	28
29	29	29	29	29
30	30	30	30	30
31	31	31	31	31
32	32	32	32	32
33	33	33	33	33
34	34	34	34	34
35	35	35	35	35
36	36	36	36	36
37	37	37	37	37
38	38	38	38	38
39	39	39	39	39
40	40	40	40	40
41	41	41	41	41
42	42	42	42	42
43	43	43	43	43
44	44	44	44	44
45	45	45	45	45
46	46	46	46	46
47	47	47	47	47
48	48	48	48	48
49	49	49	49	49
50	50	50	50	50
51	51	51	51	51
52	52	52	52	52
53	53	53	53	53
54	54	54	54	54
55	55	55	55	55
56	56	56	56	56
57	57	57	57	57
58	58	58	58	58
59	59	59	59	59
60	60	60	60	60
61	61	61	61	61
62	62	62	62	62
63	63	63	63	63
64	64	64	64	64
65	65	65	65	65
66	66	66	66	66
67	67	67	67	67
68	68	68	68	68
69	69	69	69	69
70	70	70	70	70
71	71	71	71	71
72	72	72	72	72
73	73	73	73	73
74	74	74	74	74
75	75	75	75	75
76	76	76	76	76
77	77	77	77	77
78	78	78	78	78
79	79	79	79	79
80	80	80	80	80
81	81	81	81	81
82	82	82	82	82
83	83	83	83	83
84	84	84	84	84
85	85	85	85	85
86	86	86	86	86
87	87	87	87	

THIS OBSERVATION	LAST PREVIOUS OBSERVATION (S)
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

DATE 9-8-80, 9-9-80 DATE

TIME 11:35 AM - 1:10 PM, 9-8-80, EB
TIME

11:10 AM - 12:30 PM, 9-9-80, WB

100

-----FASSENGER CARS-----

ALL	INDIANA	NON-INDIANA	ALL	<5
-----	---------	-------------	-----	----

PRES- PRES- PRES-

RESERVATION	LAST	ENT	LAST	ENT	LAST	ENT	LAST
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31
32	32	32	32	32	32	32	32
33	33	33	33	33	33	33	33
34	34	34	34	34	34	34	34
35	35	35	35	35	35	35	35
36	36	36	36	36	36	36	36
37	37	37	37	37	37	37	37
38	38	38	38	38	38	38	38
39	39	39	39	39	39	39	39
40	40	40	40	40	40	40	40
41	41	41	41	41	41	41	41
42	42	42	42	42	42	42	42
43	43	43	43	43	43	43	43
44	44	44	44	44	44	44	44
45	45	45	45	45	45	45	45
46	46	46	46	46	46	46	46
47	47	47	47	47	47	47	47
48	48	48	48	48	48	48	48
49	49	49	49	49	49	49	49
50	50	50	50	50	50	50	50
51	51	51	51	51	51	51	51
52	52	52	52	52	52	52	52
53	53	53	53	53	53	53	53
54	54	54	54	54	54	54	54
55	55	55	55	55	55	55	55
56	56	56	56	56	56	56	56
57	57	57	57	57	57	57	57
58	58	58	58	58			

NUMBER OF VEHICLES	239	112	127	181

AVE SPEED (MPH)	57.87	57.91	57.83	58.16

STANDARD DEVIATION	4.244	4.162	4.332	4.931

4 MPH

5 MPH

34 MPH

9 MPH

PERCENT	1.3	1.6	1.6
74 MPH	9	9	9

DATE	DESCRIPTION	AMOUNT	BALANCE
1967	...	...	...
1968	...	...	...
1969	...	...	...
1970	...	...	...
1971	...	...	...
1972	...	...	...
1973	...	...	...
1974	...	...	...
1975	...	...	...
1976	...	...	...
1977	...	...	...
1978	...	...	...
1979	...	...	...
1980	...	...	...
1981	...	...	...
1982	...	...	...
1983	...	...	...
1984	...	...	...
1985	...	...	...
1986	...	...	...
1987	...	...	...
1988	...	...	...
1989	...	...	...
1990	...	...	...
1991	...	...	...
1992	...	...	...
1993	...	...	...
1994	...	...	...
1995	...	...	...
1996	...	...	...
1997	...	...	...
1998	...	...	...
1999	...	...	...
2000	...	...	...
2001	...	...	...
2002	...	...	...
2003	...	...	...
2004	...	...	...
2005	...	...	...
2006	...	...	...
2007	...	...	...
2008	...	...	...
2009	...	...	...
2010	...	...	...
2011	...	...	...
2012	...	...	...
2013	...	...	...
2014	...	...	...
2015	...	...	...
2016	...	...	...
2017	...	...	...
2018	...	...	...
2019	...	...	...
2020	...	...	...
2021	...	...	...
2022	...	...	...
2023	...	...	...
2024	...	...	...
2025	...	...	...
2026	...	...	...
2027	...	...	...
2028	...	...	...
2029	...	...	...
2030	...	...	...
2031	...	...	...
2032	...	...	...
2033	...	...	...
2034	...	...	...
2035	...	...	...
2036	...	...	...
2037	...	...	...
2038	...	...	...
2039	...	...	...
2040	...	...	...
2041	...	...	...
2042	...	...	...
2043	...	...	...
2044	...	...	...
2045	...	...	...
2046	...	...	...
2047	...	...	...
2048	...	...	...
2049	...	...	...
2050	...	...	...
2051	...	...	...
2052	...	...	...
2053	...	...	...
2054	...	...	...
2055	...	...	...
2056	...	...	...
2057	...	...	...
2058	...	...	...
2059	...	...	...
2060	...	...	...
2061	...	...	...
2062	...	...	...
2063	...	...	...
2064	...	...	...
2065	...	...	...
2066	...	...	...
2067	...	...	...
2068	...	...	...
2069	...	...	...
2070	...	...	...
2071	...	...	...
2072	...	...	...
2073	...	...	...
2074	...	...	...
2075	...	...	...
2076	...	...	...
2077	...	...	...
2078	...	...	...
2079	...	...	...
2080	...	...	...
2081	...	...	...
2082	...		

[illegible]

TRAVELING	59 MPH	68.2	70.5	66.1	64.4
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12
13	13	13	13	13	13
14	14	14	14	14	14
15	15	15	15	15	15
16	16	16	16	16	16
17	17	17	17	17	17
18	18	18	18	18	18
19	19	19	19	19	19
20	20	20	20	20	20
21	21	21	21	21	21
22	22	22	22	22	22
23	23	23	23	23	23
24	24	24	24	24	24
25	25	25	25	25	25
26	26	26	26	26	26
27	27	27	27	27	27
28	28	28	28	28	28
29	29	29	29	29	29
30	30	30	30	30	30
31	31	31	31	31	31
32	32	32	32	32	32
33	33	33	33	33	33
34	34	34	34	34	34
35	35	35	35	35	35
36	36	36	36	36	36
37	37	37	37	37	37
38	38	38	38	38	38
39	39	39	39	39	39
40	40	40	40	40	40
41	41	41	41	41	41
42	42	42	42	42	42
43	43	43	43	43	43
44	44	44	44	44	44
45	45	45	45	45	45
46	46	46	46	46	46
47	47	47	47	47	47
48	48	48	48	48	48
49	49	49	49	49	49
50	50	50	50	50	50
51	51	51	51	51	51
52	52	52	52	52	52
53	53	53	53	53	53
54	54	54	54	54	54
55	55	55	55	55	55
56	56	56	56	56	56
57	57	57	57	57	57
58	58	58	58	58	58
59	59	59	59	59	59
60	60	60	60	60	60
61	61	61	61	61	61
62	62	62	62	62	62
63	63	63	63	63	63
64	64	64	64	64	64
65	65	65	65	65	65
66	66	66	66	66	66
67	67	67	67	67	67
68	68	68	68	68	68
69	69	69	69	69	69
70	70	70	70	70	70
71	71	71	71	71	71
72	72	72	72	72	72
73	73	73	73	73	73
74	74	74	74	74	74

[illegible]

LES, I HAN

 
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

1. NAME _____
 2. ADDRESS _____
 3. CITY _____
 4. STATE _____
 5. ZIP _____
 6. PHONE _____
 7. DATE _____
 8. SIGNATURE _____
 9. PRINT NAME _____
 10. PRINT ADDRESS _____
 11. PRINT CITY _____
 12. PRINT STATE _____
 13. PRINT ZIP _____
 14. PRINT PHONE _____
 15. PRINT DATE _____
 16. PRINT SIGNATURE _____
 17. PRINT NAME _____
 18. PRINT ADDRESS _____
 19. PRINT CITY _____
 20. PRINT STATE _____
 21. PRINT ZIP _____
 22. PRINT PHONE _____
 23. PRINT DATE _____
 24. PRINT SIGNATURE _____
 25. PRINT NAME _____
 26. PRINT ADDRESS _____
 27. PRINT CITY _____
 28. PRINT STATE _____
 29. PRINT ZIP _____
 30. PRINT PHONE _____
 31. PRINT DATE _____
 32. PRINT SIGNATURE _____
 33. PRINT NAME _____
 34. PRINT ADDRESS _____
 35. PRINT CITY _____
 36. PRINT STATE _____
 37. PRINT ZIP _____
 38. PRINT PHONE _____
 39. PRINT DATE _____
 40. PRINT SIGNATURE _____
 41. PRINT NAME _____
 42. PRINT ADDRESS _____
 43. PRINT CITY _____
 44. PRINT STATE _____
 45. PRINT ZIP _____
 46. PRINT PHONE _____
 47. PRINT DATE _____
 48. PRINT SIGNATURE _____
 49. PRINT NAME _____
 50. PRINT ADDRESS _____
 51. PRINT CITY _____
 52. PRINT STATE _____
 53. PRINT ZIP _____
 54. PRINT PHONE _____
 55. PRINT DATE _____
 56. PRINT SIGNATURE _____
 57. PRINT NAME _____
 58. PRINT ADDRESS _____
 59. PRINT CITY _____
 60. PRINT STATE _____
 61. PRINT ZIP _____
 62. PRINT PHONE _____
 63. PRINT DATE _____
 64. PRINT SIGNATURE _____
 65. PRINT NAME _____
 66. PRINT ADDRESS _____
 67. PRINT CITY _____
 68. PRINT STATE _____
 69. PRINT ZIP _____
 70. PRINT PHONE _____
 71. PRINT DATE _____
 72. PRINT SIGNATURE _____
 73. PRINT NAME _____
 74. PRINT ADDRESS _____
 75. PRINT CITY _____
 76. PRINT STATE _____
 77. PRINT ZIP _____
 78. PRINT PHONE _____
 79. PRINT DATE _____
 80. PRINT SIGNATURE _____
 81. PRINT NAME _____
 82. PRINT ADDRESS _____
 83. PRINT CITY _____
 84. PRINT STATE _____
 85. PRINT ZIP _____
 86. PRINT PHONE _____
 87. PRINT DATE _____
 88. PRINT SIGNATURE _____
 89. PRINT NAME _____
 90. PRINT ADDRESS _____
 91. PRINT CITY _____
 92. PRINT STATE _____
 93. PRINT ZIP _____
 94. PRINT PHONE _____
 95. PRINT DATE _____
 96. PRINT SIGNATURE _____
 97. PRINT NAME _____
 98. PRINT ADDRESS _____
 99. PRINT CITY _____
 100. PRINT STATE _____
 101. PRINT ZIP _____
 102. PRINT PHONE _____
 103. PRINT DATE _____
 104. PRINT SIGNATURE _____
 105. PRINT NAME _____
 106. PRINT ADDRESS _____
 107. PRINT CITY _____
 108. PRINT STATE _____
 109. PRINT ZIP _____
 110. PRINT PHONE _____
 111. PRINT DATE _____
 112. PRINT SIGNATURE _____
 113. PRINT NAME _____
 114. PRINT ADDRESS _____
 115. PRINT CITY _____
 116. PRINT STATE _____
 117. PRINT ZIP _____
 118. PRINT PHONE _____
 119. PRINT DATE _____
 120. PRINT SIGNATURE _____
 121. PRINT NAME _____
 122. PRINT ADDRESS _____
 123. PRINT CITY _____
 124. PRINT STATE _____
 125. PRINT ZIP _____
 126. PRINT PHONE _____
 127. PRINT DATE _____
 128. PRINT SIGNATURE _____
 129. PRINT NAME _____
 130. PRINT ADDRESS _____
 131. PRINT CITY _____
 132. PRINT STATE _____
 133. PRINT ZIP _____
 134. PRINT PHONE _____
 135. PRINT DATE _____
 136. PRINT SIGNATURE _____
 137. PRINT NAME _____
 138. PRINT ADDRESS _____
 139. PRINT CITY _____
 140. PRINT STATE _____
 141. PRINT ZIP _____
 142. PRINT PHONE _____
 143. PRINT DATE _____
 144. PRINT SIGNATURE _____
 145. PRINT NAME _____
 146. PRINT ADDRESS _____
 147. PRINT CITY _____
 148. PRINT STATE _____
 149. PRINT ZIP _____
 150. PRINT PHONE _____
 151. PRINT DATE _____
 152. PRINT SIGNATURE _____
 153. PRINT NAME _____
 154. PRINT ADDRESS _____
 155. PRINT CITY _____
 156. PRINT STATE _____
 157. PRINT ZIP _____
 158. PRINT PHONE _____
 159. PRINT DATE _____
 160. PRINT SIGNATURE _____
 161. PRINT NAME _____
 162. PRINT ADDRESS _____
 163. PRINT CITY _____
 164. PRINT STATE _____
 165. PRINT ZIP _____
 166. PRINT PHONE _____
 167. PRINT DATE _____
 168. PRINT SIGNATURE _____
 169. PRINT NAME _____
 170. PRINT ADDRESS _____
 171. PRINT CITY _____
 172. PRINT STATE _____
 173. PRINT ZIP _____
 174. PRINT PHONE _____
 175. PRINT DATE _____
 176. PRINT SIGNATURE _____
 177. PRINT NAME _____
 178. PRINT ADDRESS _____
 179. PRINT CITY _____
 180. PRINT STATE _____
 181. PRINT ZIP _____
 182. PRINT PHONE _____
 183. PRINT DATE _____
 184. PRINT SIGNATURE _____
 185. PRINT NAME _____
 186. PRINT ADDRESS _____
 187. PRINT CITY _____
 188. PRINT STATE _____
 189. PRINT ZIP _____
 190. PRINT PHONE _____
 191. PRINT DATE _____
 192. PRINT SIGNATURE _____
 193. PRINT NAME _____
 194. PRINT ADDRESS _____
 195. PRINT CITY _____
 196. PRINT STATE _____
 197. PRINT ZIP _____
 198. PRINT PHONE _____
 199. PRINT DATE _____
 200. PRINT SIGNATURE _____
 201. PRINT NAME _____
 202. PRINT ADDRESS _____
 203. PRINT CITY _____
 204. PRINT STATE _____
 205. PRINT ZIP _____
 206. PRINT PHONE _____
 207. PRINT DATE _____
 208. PRINT SIGNATURE _____
 209. PRINT NAME _____
 210. PRINT ADDRESS _____
 211. PRINT CITY _____
 212. PRINT STATE _____
 213. PRINT ZIP _____
 214. PRINT PHONE _____
 215. PRINT DATE _____
 216. PRINT SIGNATURE _____
 217. PRINT NAME _____
 218. PRINT ADDRESS _____
 219. PRINT CITY _____
 220. PRINT STATE _____

[illegible]

VELOCITY	TIME	TIME	TIME
100	1.00	1.00	1.00
200	1.00	1.00	1.00
300	1.00	1.00	1.00
400	1.00	1.00	1.00
500	1.00	1.00	1.00
600	1.00	1.00	1.00
700	1.00	1.00	1.00
800	1.00	1.00	1.00
900	1.00	1.00	1.00
1000	1.00	1.00	1.00

DIVISION	WB			
UNION OF VENTURES	125	60	73	84

NUMBER OF VEHICLES	PERCENT	PERCENT	PERCENT	PERCENT
1	15	15	15	15
2	15	15	15	15
3	15	15	15	15
4	15	15	15	15
5	15	15	15	15
6	15	15	15	15
7	15	15	15	15
8	15	15	15	15
9	15	15	15	15
10	15	15	15	15
11	15	15	15	15
12	15	15	15	15
13	15	15	15	15
14	15	15	15	15
15	15	15	15	15
16	15	15	15	15
17	15	15	15	15
18	15	15	15	15
19	15	15	15	15
20	15	15	15	15
21	15	15	15	15
22	15	15	15	15
23	15	15	15	15
24	15	15	15	15
25	15	15	15	15
26	15	15	15	15
27	15	15	15	15
28	15	15	15	15
29	15	15	15	15
30	15	15	15	15
31	15	15	15	15
32	15	15	15	15
33	15	15	15	15
34	15	15	15	15
35	15	15	15	15
36	15	15	15	15
37	15	15	15	15
38	15	15	15	15
39	15	15	15	15
40	15	15	15	15
41	15	15	15	15
42	15	15	15	15
43	15	15	15	15
44	15	15	15	15
45	15	15	15	15
46	15	15	15	15
47	15	15	15	15
48	15	15	15	15
49	15	15	15	15
50	15	15	15	15
51	15	15	15	15
52	15	15	15	15
53	15	15	15	15
54	15	15	15	15
55	15	15	15	15
56	15	15	15	15
57	15	15	15	15
58	15	15	15	15
59	15	15	15	15
60	15	15	15	15
61	15	15	15	15
62	15	15	15	15
63	15	15	15	15
64	15	15	15	15
65	15	15	15	15
66	15	15	15	15
67	15	15	15	15
68	15	15	15	15
69	15	15	15	15
70	15	15	15	15
71	15	15	15	15
72	15	15	15	15
73	15	15	15	15
74	15	15	15	15
75	15	15	15	15
76	15	15	15	15
77	15	15	15	15
78	15	15	15	15
79	15	15	15	15
80	15	15	15	15
81	15	15	15	15
82	15	15	15	15
83	15	15	15	15
84	15	15	15	15
85	15	15	15	15
86	15	15	15	15

[illegible]

TABLE A-36 SPEED DATA EVERY SECOND VEHICLE

STATION 4L-17 HIGHWAY U. S. 52 LOCATION 105' EAST OF COUNTY ROAD 475 WEST
 NO. OF LANES 4 TYPE OF SURFACE BLACKTOP WEATHER OVERCAST, 7-28-80
 SUNNY, 7-29-80
 THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE 7-28-80, 7-29-80 DATE
 TIME 9:35 AM - 1:25 PM, 7-28-80, EB TIME
 9:20 AM - 1:00 PM, 7-29-80

	PASSENGER CARS			TRUCKS		
	ALL	INDIANA	NON-INDIANA	ALL	INDIANA	NON-INDIANA
OBSERVATION	LAST	ENT	LAST	LAST	ENT	LAST
NUMBER OF VEHICLES	312	278	0	120	64	0
AVERAGE SPEED (MPH)	56.36	56.29	56.29	56.29	55.29	57.16
STANDARD DEVIATION	5.679	5.762	4.704	6.073	6.428	5.420
4 MPH	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0
34 MPH	3	4	0	0	0	0
39 MPH	7	7	0	17	16	18
44 MPH	3	3	0	5	4	1
49 MPH	11	11	4	13	18	7
54 MPH	34	34	37	34	37	30
59 MPH	76	75	87	70	77	58
64 MPH	24	24	21	22	24	21
69 MPH	98	98	100	100	100	100
74 MPH	92	92	100	100	100	100
79 MPH	102	100	100	100	100	100
84 MPH	100	100	100	100	100	100
89 MPH	100	100	100	100	100	100
DIRECTION	EB	EB	EB	EB	EB	EB
NUMBER OF VEHICLES	147	131	16	63	34	29
AVERAGE SPEED	57.41	57.40	57.56	55.86	54.30	57.43
DIRECTION	WB	WB	WB	WB	WB	WB
NUMBER OF VEHICLES	155	147	8	57	30	27
AVERAGE SPEED	54.77	54.82	53.75	56.28	55.77	56.83

STATION	HIGHWAY	U.S. 31	LOCATION	1.65 MILES SOUTH OF STATE ROAD 26
41-22				

NO OF LINES	TYPE OF SURFACE	BLACKTOP	WEATHER	HAZY
4				

THIS OBSERVATION

DATE	TIME	PREVIOUS OBSERVATION	SPEED
8-28-80			
12:23	1:45 PM, NE		
10:10	11:30 AM, SB		

* (CONSERVATION NUMBER OF VEHICLES AVE. SPEED (MPH) STANDARD DEVIATION PERCENT OF VEHICLES TRAVELING AT OR LESS THAN	PASSENGER CARS			NON-INDIANA			TRUCKS		
	ALL PRES-	INDIANA PRES-	ENI PRES-	ALL PRES-	INDIANA PRES-	ENI PRES-	ALL PRES-	INDIANA PRES-	ENI PRES-
304	256	48	126	64	500	100	500	500	500
57.32	57.18	58.06	56.32	56.24	55.80	55.80	55.80	55.80	55.80
4.084	3.961	4.665	4.948	4.898	5.024	5.024	5.024	5.024	5.024
4 MPH	0	0	0	0	0	0	0	0	0
35 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
47 MPH	2	2	1	2	1	1	2	1	1
54 MPH	23	23	27	29	4	12	29	4	12
59 MPH	67	67	71	81	2	8	79	2	8
64 MPH	97	97	93	95	2	2	95	2	2
69 MPH	100	100	100	100	0	0	100	0	0
74 MPH	100	100	100	100	0	0	100	0	0
79 MPH	100	100	100	100	0	0	100	0	0
84 MPH	100	100	100	100	0	0	100	0	0
89 MPH	100	100	100	100	0	0	100	0	0
DIRECTION - NB									
NUMBER OF VEHICLES	150	136	23	57	28	29	57	28	29
AVERAGE SPEED	57.91	57.67	59.35	56.82	56.64	57.00	56.82	56.64	57.00
DIRECTION - SB									
NUMBER OF VEHICLES	145	120	25	69	34	35	69	34	35
AVERAGE SPEED	56.68	56.03	56.88	55.32	55.01	55.80	55.32	55.01	55.80

TABLE A-38 SPEED DATA EVERY SECOND VEHICLE

STATION 2L-54 HIGHWAY U.S. 231 LOCATION 1.1 MILES SOUTH OF STATE ROAD 234

NO. OF LANES 2 TYPE OF SURFACE BLACKTOP WEATHER PARTLY CLOUDY

THIS OBSERVATION DATE 8-6-80 TIME 10:45 AM - 12:50 PM LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENT	LAST	LAST	ENT	LAST	LAST	ENT	LAST	LAST	ENT	LAST
NUMBER OF VEHICLES	271	245	26	26	16	16	26	16	0	0	66	0
AVERAGE SPEED (MPH)	55.48	55.67	53.69	53.69	55.31	55.31	53.69	55.31	0	0	54.71	0
STANDARD DEVIATION	6.281	6.237	6.535	6.535	5.780	5.780	6.535	5.780	0	0	5.702	0
4 MPH	0	0	0	0	0	0	0	0	0	0	0	0
14 MPH	0	0	0	0	0	0	0	0	0	0	0	0
24 MPH	4	4	0	0	0	0	0	0	0	0	0	0
34 MPH	2	2	0	0	1	1	0	1	0	0	0	0
44 MPH	4	3	0	0	4	4	0	4	0	0	0	0
54 MPH	14	13	2	2	13	13	2	13	0	0	0	0
PERCENT	42.1	40.8	23.1	23.1	42.6	42.6	23.1	42.6	0	0	15.1	0
VEHICLES	77.9	77.1	84.6	84.6	75.6	75.6	84.6	75.6	0	0	74.3	0
TRAVELING	93.7	93.9	92.3	92.3	98.1	98.1	92.3	98.1	0	0	100.0	0
AT 1 R	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	0	0	100.0	0
LESS THAN	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	0	0	100.0	0
99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	100.0	0
DIRECTION	NB	NB	6	6	71	71	6	71	0	0	23	0
NUMBER OF VEHICLES	145	139	6	6	55.24	55.24	6	55.24	0	0	54.42	0
AVERAGE SPEED	56.46	56.29	56.29	56.29	56.29	56.29	56.29	56.29	0	0	54.42	0
DIRECTION	SB	SB	20	20	82	82	20	82	0	0	41	0
NUMBER OF VEHICLES	129	106	20	20	55.37	55.37	20	55.37	0	0	54.90	0
AVERAGE SPEED	54.34	54.84	54.84	54.84	54.84	54.84	54.84	54.84	0	0	54.90	0

TABLE A-39 SPEED DATA EVERY SECOND VEHICLE

STATION 2L 08 HIGHWAY S.R. 25 LOCATION 10195 MILES NORTH OF DELPHI CITY LIMITS

NO. OF LANES 2 TYPE OF SURFACE BLACKTOP WEATHER CLOUDY

THIS OBSERVATION 9-4-80, 9-5-80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 9-4-80, 9-5-80
TIME 10:05 AM - 1:45 PM, 9-4-80
9:40 AM - 12:40 PM, 9-5-80

PASSENGER CARS										TRUCKS														
INDIANA					NON-INDIANA					ALL					PRES-					PRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-					FRES-				
LAST					LAST					LAST					LAST					LAST				
ENT					ENT					ENT					ENT					ENT				
FRES-					FRES-					FRES-					FRES-</									

TABLE A-40 SPEED DATA EVERY SECOND VEHICLE

```

STATION 01-66 HIGHWAY 1-65 LOCATION JUST EAST OF WHITE RIVER
NO. OF LANES 6 TYPE OF SURFACE CONCRETE WEATHER SUNNY
THIS OBSERVATION
DATE 9-10-80
TIME 10:30
11:10 AM, EB
12:05 - 12:40 PM, WB
LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )
DATE
TIME

```

[illegible]

STAFF A-41	SPEED DATA	EVERY SECOND VEHICLE
1	100	100
2	100	100
3	100	100
4	100	100
5	100	100
6	100	100
7	100	100
8	100	100
9	100	100
10	100	100
11	100	100
12	100	100
13	100	100
14	100	100
15	100	100
16	100	100
17	100	100
18	100	100
19	100	100
20	100	100
21	100	100
22	100	100
23	100	100
24	100	100
25	100	100
26	100	100
27	100	100
28	100	100
29	100	100
30	100	100
31	100	100
32	100	100
33	100	100
34	100	100
35	100	100
36	100	100
37	100	100
38	100	100
39	100	100
40	100	100
41	100	100
42	100	100
43	100	100
44	100	100
45	100	100
46	100	100
47	100	100
48	100	100
49	100	100
50	100	100
51	100	100
52	100	100
53	100	100
54	100	100
55	100	100
56	100	100
57	100	100
58	100	100
59	100	100
60	100	100
61	100	100
62	100	100
63	100	100
64	100	100
65	100	100
66	100	100
67	100	100
68	100	100
69	100	100
70	100	100
71	100	100
72	100	100
73	100	100
74	100	100
75	100	100
76	100	100
77	100	100
78	100	100
79	100	100
80	100	100
81	100	100
82	100	100
83	100	100
84	100	100
85	100	100
86	100	100
87	100	100
88	100	100
89	100	100
90	100	100
91	100	100
92	100	100
93	100	100
94	100	100
95	100	100
96	100	100
97	100	100
98	100	100
99	100	100
100	100	100

STATION	UI C3	HIGHWAY	I-65	LOCATION	2.1 MILES NORTH OF STATE ROAD 14

NO	CE	PLANES	4	TYPE OF SURFACE	BLACKTOP	WEATHER	SUNNY
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31
32	32	32	32	32	32	32	32
33	33	33	33	33	33	33	33
34	34	34	34	34	34	34	34
35	35	35	35	35	35	35	35
36	36	36	36	36	36	36	36
37	37	37	37	37	37	37	37
38	38	38	38	38	38	38	38
39	39	39	39	39	39	39	39
40	40	40	40	40	40	40	40
41	41	41	41	41	41	41	41
42	42	42	42	42	42	42	42
43	43	43	43	43	43	43	43
44	44	44	44	44	44	44	44
45	45	45	45	45	45	45	45
46	46	46	46	46	46	46	46
47	47	47	47	47	47	47	47
48	48	48	48	48	48	48	48
49	49	49	49	49	49	49	49
50	50	50	50	50	50	50	50
51	51	51	51	51	51	51	51
52	52	52	52	52	52	52	52
53	53	53	53	53	53	53	53
54	54	54	54	54	54	54	54
55	55	55	55	55	55	55	55
56	56	56	56	56	56	56	56
57	57	57	57	57	57	57	57
58	58	58	58				

THIS OBSERVATION

DATE 8-26-80
TIME 8:30 - 9:30 AM, NB
10:25 - 11:20 AM, SB

----- PASSENGER CARS ----- TRUCKS -----

[illegible]

RURAL

STATION R1411 HIGHWAY INTERSTATE LOCATION SEE INDIVIDUAL STATIONS

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE JULY SEPTEMBER 1980

DATE APRIL - JUNE 1980

TIME

TIME

OBSERVATION		PASSENGER CARS		NON-INDIANA		ALL		TRUCKS	
LAST	ENT- PRES-	LAST	ENT- PRES-	LAST	ENT- PRES-	LAST	ENT- PRES-	LAST	ENT- PRES-
NUMBER OF VEHICLES	522	289	233	324	92	232	232	5000	5000
AVE. SPEED (MPH)	58.11	57.74	58.27	58.21	57.08	58.21	58.21	5000	5000
STANDARD DEVIATION	4.740	4.822	4.607	4.999	5.354	4.999	4.999	5000	5000
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	2	3	0	0	0	0	0	0	0
44 MPH	8	7	0	0	0	0	0	0	0
49 MPH	31	42	17	37	22	37	37	0	0
54 MPH	18	22	13	19	15	19	15	0	0
59 MPH	64	68	67	61	66	61	66	0	0
64 MPH	91	92	91	89	92	89	92	0	0
69 MPH	58	59	58	58	58	58	58	0	0
74 MPH	99	100	99	100	100	100	100	0	0
79 MPH	99	100	99	100	100	100	100	0	0
84 MPH	100	100	100	100	100	100	100	0	0
89 MPH	100	100	100	100	100	100	100	0	0
PER CENT									
CF									
VEHICLES									
TRAVELING									
AT CR									
LESS THAN									

TABLE A-45 SPEED DATA EVERY SECOND VEHICLE

STATION 2111 HIGHWAY 2-LANE LOCATION SEE INDIVIDUAL STATIONS WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE JULY - SEPTEMBER 1980 DATE APRIL - JUNE 1980 TIME TIME

	PASSENGER CARS				TRUCKS			
	ALL	INDIANA	NON-INDIANA	ALL	ALL	INDIANA	NON-INDIANA	ALL
(NUMBER OF VEHICLES	LAST	ENT	L/ST	ENT	LAST	ENT	L/ST	ENT
AVE SPEED (MPH)	55.92	55.92	55.92	55.92	55.92	55.92	55.92	55.92
STANDARD DEVIATION	5.97	5.97	5.97	5.97	5.97	5.97	5.97	5.97
4 MPH	0	0	0	0	0	0	0	0
14 MPH	0	0	0	0	0	0	0	0
24 MPH	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0
54 MPH	0	0	0	0	0	0	0	0
64 MPH	0	0	0	0	0	0	0	0
74 MPH	0	0	0	0	0	0	0	0
84 MPH	0	0	0	0	0	0	0	0
94 MPH	0	0	0	0	0	0	0	0
PERCENT	100	100	100	100	100	100	100	100
CF	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
VEHICLES	77	77	77	77	77	77	77	77
TRAVELING	77	77	77	77	77	77	77	77
AT R	77	77	77	77	77	77	77	77
LESS THAN	77	77	77	77	77	77	77	77

URBAN

STATION DIAL HIGHWAY INTERSTATE LOCATION SEE INDIVIDUAL STATIONS

NO. OF PLANES	TYPE (F SURFACE	WEATHER
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
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

THIS OBSERVATION (SPEED REPORT NO. _____)
DATE JULY - SEPTEMBER 1980

[illegible]

TABLE A-46 SPEED DATA

STATION	ALL	HIGHWAY	INDIANA SYSTEM	LOCATION	SEE INDIVIDUAL STATIONS
---------	-----	---------	----------------	----------	-------------------------

NO.	NAME	TYPE OF LANE	TYPE OF SURFACE	WEATHER
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

THIS OBSERVATION

	DATE	JULY - SEPTEMBER 1980	DATE	APRIL - JUNE 1980
	TIME		TIME	

[illegible]

TABLE A-47

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	INTERSTATE	RURAL
STATION NUMBER	RI-6	LOCATION I-65 - 7.5 MILES NORTH OF SR 160
NUMBER OF SESSIONS	1	DATES 8-18-80
		VEHICLES MEASURED 426
AVERAGE SPEED (MPH)	58.2	STANDARD DEVIATION 4.2
MEDIAN SPEED (MPH)	58.3	85TH PERCENTILE SPEED (MPH) 62.4
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	81	60 MPH 1
	32	65 MPH 7

TABLE A-48

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	INTERSTATE	RURAL
STATION NUMBER	RI-21	LOCATION I-69 - 1.6 MILES SOUTH OF SR18
NUMBER OF SESSIONS	1	DATES 9-2-80 - 9-3-80
		VEHICLES MEASURED 422
AVERAGE SPEED (MPH)	52.1	STANDARD DEVIATION 4.8
MEDIAN SPEED (MPH)	52.5	85TH PERCENTILE SPEED (MPH) 52.7
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	82	60 MPH 37
		65 MPH 7

TABLE A-49

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY INTERSTATE, RURAL
 STATION NUMBER RI-12 LOCATION I-74 - 0.1 MILES WEST OF 109 MILE MARKER
 NUMBER OF SESSIONS 1 DATES 7-31-80 VEHICLES MEASURED 430
 AVERAGE SPEED (MPH) 58.4 STANDARD DEVIATION 4.3
 MEDIAN SPEED (MPH) 57.9 85TH PERCENTILE SPEED (MPH) 62.1
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 75 60 MPH 30 65 MPH 4

TABLE A-50

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	INTERSTATE	RURAL
STATION NUMBER	RI-34	LOCATION I-65 - 2 MILES SOUTH OF SR 39
NUMBER OF SESSIONS	1	DATES 9-10-80
		VEHICLES MEASURED 420
AVERAGE SPEED (MPH)	58.1	STANDARD DEVIATION 4.6
MEDIAN SPEED (MPH)	58.2	85TH PERCENTILE SPEED (MPH) 61.9
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	74.5	60 MPH 29.5
		65 MPH 5.2

TABLE A-51

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	INTERSTATE	RURAL
STATION NUMBER	RI-22	LOCATION I-64 4.9 MILES EAST OF SR 57
NUMBER OF SESSIONS	1	DATES 8-13-80 1 VEHICLES MEASURED 426
AVERAGE SPEED (MPH)	58.7	STANDARD DEVIATION 4.6
MEDIAN SPEED (MPH)	58.0	85TH PERCENTILE SPEED (MPH) 62.7
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	78	60 MPH 32 65 MPH 6

TABLE A-52

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	INTERSTATE	RURAL
STATION NUMBER	BI-5	LOCATION I-64 - 8.55 MILES WEST OF SR 150
NUMBER OF SESSIONS	1	DATES 8-20-80 VEHICLES MEASURED 422
AVERAGE SPEED (MPH)	58.7	STANDARD DEVIATION 4.0
MEDIAN SPEED (MPH)	58.1	85TH PERCENTILE SPEED (MPH) 63.3
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	76	60 MPH 34 65 MPH 8

TABLE A-53

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	INTERSTATE	RURAL
STATION NUMBER	RI-17	LOCATION I-70 - 1.05 MILES EAST OF SR 9
NUMBER OF SESSIONS	1	DATES 9-8-80 9-9-80 VEHICLES MEASURED 424
AVERAGE SPEED (MPH)	58.3	STANDARD DEVIATION 4.4
MEDIAN SPEED (MPH)	57.8	85TH PERCENTILE SPEED (MPH) 62.2
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	74	60 MPH 30 65 MPH 4

TABLE A-54

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	INTERSTATE, RURAL	
STATION NUMBER	RI-29 LOCATION I-80 & 90 - 7.15 MILES WEST OF US 421	
NUMBER OF SESSIONS	1 DATES	8-5-80 VEHICLES MEASURED
AVERAGE SPEED (MPH)	62.1	STANDARD DEVIATION
MEDIAN SPEED (MPH)	52.5	85TH PERCENTILE SPEED (MPH)
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	1	84
	60 MPH	1
	46	65 MPH
	9	

TABLE A-55

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER	41-17 LOCATION US 52 - 150' EAST OF CO RD 475 WEST
	7-28-80
NUMBER OF SESSIONS	1 DATES 7-29-80 VEHICLES MEASURED 427
AVERAGE SPEED (MPH)	55.2 STANDARD DEVIATION 5.6
MEDIAN SPEED (MPH)	55.6 85TH PERCENTILE SPEED (MPH) 60.8
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	55.6 60 MPH 19.2 65 MPH 2.2

TABLE A-56

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 41-32 LOCATION US 30 - 12.9 MILES WEST OF WANATAH CITY LIMIT SIGN
 NUMBER OF SESSIONS 1 DATES 8-1-80 VEHICLES MEASURED 431
 AVERAGE SPEED (MPH) 55.9 STANDARD DEVIATION 4.5
 MEDIAN SPEED (MPH) 56.7 85TH PERCENTILE SPEED (MPH) 60.7
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 66 60 MPH 20 65 MPH 6

TABLE A-57

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	MULTI-LANE	DIVIDED	(RURAL)
STATION NUMBER	41-20	LOCATION	US 41 - 1.1 MILES NORTH OF SR 2
NUMBER OF SESSIONS	1	DATES	8-15-80
AVERAGE SPEED (MPH)	55.8	STANDARD DEVIATION	4.8
MEDIAN SPEED (MPH)	56.6	85TH PERCENTILE SPEED (MPH)	61.2
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	62	60 MPH	22
		65 MPH	3

TABLE A-58

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	MULTI-LANE DIVIDED (RURAL)	
STATION NUMBER	41-21	LOCATION US 31 - 1.1 MILES SOUTH OF SR 38
NUMBER OF SESSIONS	1	DATES 8-7-80 VEHICLES MEASURED 427
AVERAGE SPEED (MPH)	54.6	STANDARD DEVIATION 5.2
MEDIAN SPEED (MPH)	54.2	85TH PERCENTILE SPEED (MPH) 59.2
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	42	60 MPH 11
		65 MPH 2

TABLE A-59

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER	41-1 LOCATION US 41 - 1.2 MILES NORTH OF SR 168
NUMBER OF SESSIONS	1 DATES 8-12-80 VEHICLES MEASURED 419
AVERAGE SPEED (MPH)	56.5 STANDARD DEVIATION 4.6
MEDIAN SPEED (MPH)	55.0 85TH PERCENTILE SPEED (MPH) 61.1
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	64.60 MPH 15.65 MPH 2.1

TABLE A-60

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
 STATION NUMBER 41-6 LOCATION US 40 - 1.75 MILES WEST OF BRAZIL CITY LIMIT
 NUMBER OF SESSIONS 1 DATES 8-11-80 VEHICLES MEASURED 525
 AVERAGE SPEED (MPH) 54.4 STANDARD DEVIATION 5.5
 MEDIAN SPEED (MPH) 55.1 85TH PERCENTILE SPEED (MPH) 59.5
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 52 60 MPH 10 65 MPH 2

TABLE A-61

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER	41-22 LOCATION US 31 - 1.65 MILES SOUTH OF SR 26
NUMBER OF SESSIONS	1 DATES 8-28-80 VEHICLES MEASURED 448
AVERAGE SPEED (MPH)	55.7 STANDARD DEVIATION 8.0
MEDIAN SPEED (MPH)	56.7 85TH PERCENTILE SPEED (MPH) 61.7
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	67.60 MPH 25.65 MPH 8.1

TABLE A-62

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	MULTI-LANE	DIVIDED (RURAL)
STATION NUMBER	4L-26	LOCATION SR 9 - 1.4 MILES NORTH OF SR 124
NUMBER OF SESSIONS	1	DATES 8-25-80
		VEHICLES MEASURED 418
AVERAGE SPEED (MPH)	55.7	STANDARD DEVIATION 5.6
MEDIAN SPEED (MPH)	55.2	85TH PERCENTILE SPEED (MPH) 61.5
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	63	63 MPH 1
		24 65 MPH 5

TABLE A-63
SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	TWO-LANE RURAL	
STATION NUMBER	21-18	LOCATION US 35 - 2.5 MILES EAST OF I-69
NUMBER OF SESSIONS	1	DATES 8-22-80 VEHICLES MEASURED 430
AVERAGE SPEED (MPH)	56.0	STANDARD DEVIATION 4.9
MEDIAN SPEED (MPH)	55.5	85TH PERCENTILE SPEED (MPH) 60.0
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	56	63 MPH 15 65 MPH 4

TABLE A-64

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	142-LANE, RURAL		
STATION NUMBER	21-54	LOCATION	US 231 - 1.1 MILES SOUTH OF SR 234
NUMBER OF SESSIONS	1	DATES	8-6-80
		VEHICLES MEASURED	425
AVERAGE SPEED (MPH)	56.5	STANDARD DEVIATION	5.8
MEDIAN SPEED (MPH)	56.2	85TH PERCENTILE SPEED (MPH)	61.2
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	52	60 MPH	21
		65 MPH	5

TABLE A-65

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL
STATION NUMBER 21-79 LOCATION SR 25 -- 0.7 MILES SOUTH OF AMERICUS
NUMBER OF SESSIONS 1 DATES 7-31-80 VEHICLES MEASURED 427
AVERAGE SPEED (MPH) 53.3 STANDARD DEVIATION 5.2
MEDIAN SPEED (MPH) 52.6 85TH PERCENTILE SPEED (MPH) 57.2
PERCENTAGE OF VEHICLES EXCEEDING:
55 MPH 32 60 MPH 7 65 MPH 2

TABLE A-66

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY TWO-LANE, RURAL
 STATION NUMBER 2L-91 LOCATION SR 43 - 2 MILES SOUTH OF CHALMERS
 NUMBER OF SESSIONS 1 DATES 8-8-80 VEHICLES MEASURED 435
 AVERAGE SPEED (MPH) 54.2 STANDARD DEVIATION 5.2
 MEDIAN SPEED (MPH) 54.6 85TH PERCENTILE SPEED (MPH) 59.3
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 45 60 MPH 12 65 MPH 3

TABLE A-67

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY 142-LANE, RURAL
 STATION NUMBER 21-5 LOCATION SB 3.4-1.4 MILES NORTH OF BLACKFORD DELAWARE CO LINE
 NUMBER OF SESSIONS 1 DATES 8-4-80 VEHICLES MEASURED 457
 AVERAGE SPEED (MPH) 53.7 STANDARD DEVIATION 5.2
 MEDIAN SPEED (MPH) 53.1 85TH PERCENTILE SPEED (MPH) 58.4
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 33 60 MPH 8 65 MPH 2

TABLE A-68

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	TWO-LANE, RURAL	
STATION NUMBER	2L-8	LOCATION SR 25 - 10.95 MILES NORTH OF DELPHI CITY LIMITS
NUMBER OF SESSIONS	1	DATES 9-4-80 9-5-80 VEHICLES MEASURED 431
AVERAGE SPEED (MPH)	57.1	STANDARD DEVIATION 6.0
MEDIAN SPEED (MPH)	56.5	85TH PERCENTILE SPEED (MPH) 62.3
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	63	60 MPH 26 65 MPH 8

TABLE A-69

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	2-LANE, RURAL	
STATION NUMBER	24-72	LOCATION US 31 - 0.85 MILES NORTH OF SCOTTSBURG CITY LIMITS
NUMBER OF SESSIONS	1	DATES 8-19-80 VEHICLES MEASURED 472
AVERAGE SPEED (MPH)	52.6	STANDARD DEVIATION 7.1
MEDIAN SPEED (MPH)	51.4	85TH PERCENTILE SPEED (MPH) 62.5
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	32	60 MPH 16 65 MPH 2

TABLE A-70

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	1-2-LANE, RURAL
STATION NUMBER	21-88
LOCATION	US 60 - 1.6 MILES WEST OF SR 56
NUMBER OF SESSIONS	1 DATES 8-21-80
	VEHICLES MEASURED 437
AVERAGE SPEED (MPH)	54.6
	STANDARD DEVIATION 6.2
MEDIAN SPEED (MPH)	54.6
	85TH PERCENTILE SPEED (MPH) 59.6
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	47
60 MPH	13
65 MPH	4

TABLE A-71

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	INTERSTATE	URBAN
STATION NUMBER	UI-26	LOCATION I-65 - JUST EAST OF WHITE RIVER
NUMBER OF SESSIONS	1	DATES 9-10-80
AVERAGE SPEED (MPH)	57.6	STANDARD DEVIATION 4.6
MEDIAN SPEED (MPH)	57.1	85TH PERCENTILE SPEED (MPH) 61.5
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	71	60 MPH 25
		65 MPH 4

TABLE A-72

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	INTERSTATE, URBAN	
STATION NUMBER	11 LOCATION I-80 - 1st BRIDGE EAST OF BURR STREET INTERCHANGE	
NUMBER OF SESSIONS	1 DATES 7-30-80	1 VEHICLES MEASURED 428
AVERAGE SPEED (MPH)	56.2	STANDARD DEVIATION 4.4
MEDIAN SPEED (MPH)	55.7	85TH PERCENTILE SPEED (MPH) 59.6
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	57	60 MPH 12
		65 MPH 1

TABLE A-73

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY INTERSTATE URBAN
 STATION NUMBER UI-23 LOCATION I-69 + 2.1 MILES NORTH OF SR 14
 NUMBER OF SESSIONS 1 DATES 8-26-80 VEHICLES MEASURED 426
 AVERAGE SPEED (MPH) 57.5 STANDARD DEVIATION 4.6
 MEDIAN SPEED (MPH) 57.3 85TH PERCENTILE SPEED (MPH) 62.9
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 71 60 MPH 22 65 MPH 4

TABLE A-74

SPEED MONITORING STATION SUMMARY FREE FLOW

HIGHWAY CATEGORY	INTERSTATE	URBAN
STATION NUMBER	UI-08	LOCATION I-265 - 1.34 MILES NORTH OF I-64
NUMBER OF SESSIONS	1	DATES 8-20-80 - VEHICLES MEASURED 433
AVERAGE SPEED (MPH)	57.6	STANDARD DEVIATION 4.9
MEDIAN SPEED (MPH)	57.0	85TH PERCENTILE SPEED (MPH) 61.9
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	65	60 MPH 1 26 65 MPH 6

TABLE A-75

SPEED MONITORING STATION SUMMARY EVERY SECOND VEHICLE

HIGHWAY CATEGORY	INTERSTATE, RURAL
STATION NUMBER	RI-21
LOCATION	1.6 MILES SOUTH OF SR 18
PERIOD OF STUDY	9-2-80
NUMBER OF SESSIONS	1
DATES	9-3-80
VEHICLES MEASURED	427
AVERAGE SPEED (MPH)	58.4
STANDARD DEVIATION	5.1
MEDIAN SPEED (MPH)	57.7
85TH PERCENTILE SPEED (MPH)	63.1
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	72
60 MPH	31
65 MPH	7

TABLE A-76

SPEED MONITORING STATION SUMMARY EVERY SECOND VEHICLE

HIGHWAY CATEGORY	INTERSTATE	RURAL
STATION NUMBER	PI-17	LOCATION I-70 - 1.05 MILES EAST OF SR 9
	9-8-80	
NUMBER OF SESSIONS	1	DATES 9-9-80
		VEHICLES MEASURED 419
AVERAGE SPEED (MPH)	58.0	STANDARD DEVIATION 4.5
MEDIAN SPEED (MPH)	57.5	85TH PERCENTILE SPEED (MPH) 61.5
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	75	60 MPH
	26	65 MPH
		5

TABLE A-77

SPEED MONITORING STATION SUMMARY EVERY SECOND VEHICLE

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER	44-17 LOCATION US 52 - 150' EAST OF CO RD 475 WEST 7-28-80
NUMBER OF SESSIONS	1 DATES 7-29-80 VEHICLES MEASURED 422
AVERAGE SPEED (MPH)	56.1 STANDARD DEVIATION 5.8
MEDIAN SPEED (MPH)	55.7 85TH PERCENTILE SPEED (MPH) 61.2
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	55 63 MPH 2 65 MPH 4

TABLE A-78

SPEED MONITORING STATION SUMMARY EVERY SECOND VEHICLE

HIGHWAY CATEGORY MULTI-LANE DIVIDED (RURAL)
 STATION NUMBER 4L-22 LOCATION US 31 - 1.65 MILES SOUTH OF SR 26
 NUMBER OF SESSIONS 1 DATES 8-28-80 VEHICLES MEASURED 43
 AVERAGE SPEED (MPH) 56.2 STANDARD DEVIATION 4.4
 MEDIAN SPEED (MPH) 56.5 85TH PERCENTILE SPEED (MPH) 60.9
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 65 60 MPH 21 65 MPH 12

TABLE A-79

SPEED MONITORING STATION SUMMARY EVERY SECOND VEHICLE

HIGHWAY CATEGORY	TWO-LANE, RURAL	
STATION NUMBER	21-54	LOCATION US 231 - 1.1 MILES SOUTH OF SR 234
NUMBER OF SESSIONS	1	DATES 8-6-80 - VEHICLES MEASURED 431
AVERAGE SPEED (MPH)	55.4	STANDARD DEVIATION 6.1
MEDIAN SPEED (MPH)	55.2	85TH PERCENTILE SPEED (MPH) 60.4
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	50	60 MPH 16
		65 MPH 3

TABLE A-80

SPEED MONITORING STATION SUMMARY EVERY SECOND VEHICLE

HIGHWAY CATEGORY	TWO-LANE, RURAL	
STATION NUMBER	2L-28	LOCATION SR 25 - 10.95 MILES NORTH OF DELPHI CITY LIMITS
NUMBER OF SESSIONS	1	DATES 9-4-80
AVERAGE SPEED (MPH)	55.3	STANDARD DEVIATION 5.7
MEDIAN SPEED (MPH)	55.7	85TH PERCENTILE SPEED (MPH) 61.2
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	55	60 MPH 1
	22	65 MPH 4

TABLE A-81

SPEED MONITORING STATION SUMMARY EVERY SECOND VEHICLE

HIGHWAY CATEGORY	INTERSTATE	URBAN
STATION NUMBER	UI-56	LOCATION I-65 - JUST EAST OF WHITE RIVER
NUMBER OF SESSIONS	1	DATES 9-10-80
		VEHICLES MEASURED 425
AVERAGE SPEED (MPH)	57.6	STANDARD DEVIATION 4.2
MEDIAN SPEED (MPH)	57.7	85TH PERCENTILE SPEED (MPH) 61.1
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	72	60 MPH 22
		65 MPH 3

TABLE A-82

SPEED MONITORING STATION SUMMARY EVERY SECOND VEHICLE

HIGHWAY CATEGORY	INTERSTATE	URBAN
STATION NUMBER	WI-13	LOCATION L-69--2.1 MILES NORTH OF SR 14
NUMBER OF SESSIONS	1	DATES 8-26-80
AVERAGE SPEED (MPH)	57.4	STANDARD DEVIATION 4.2
MEDIAN SPEED (MPH)	56.9	85TH PERCENTILE SPEED (MPH) 60.8
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	65	60 MPH 20
		65 MPH 3

COVER DESIGN BY ALDO GIORGINI