JOINT HIGHWAY RESEARCH PROJECT

JHRP-77-2

TRAFFIC SPEED REPORT NO. 98

Graham S. Toft
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TRAFFIC SPEED REPORT NO. 98

TO: J. F. McLaughlin, Director
Joint Highway Research Project

January 11, 1977

File: 8-3-3

FROM: H. L. Michael, Associate Director
Joint Highway Research Project

Project: C-36-10C

The attached Report No. 98 on Traffic Speeds is the quarterly report for the period ending September 30, 1976, under the HPR Part I Study titled "Speed Trends for Indiana Highways". The 28 speed stations taken during this quarter include all of the 12 rural speed stations which have been taken for many years in Indiana. As a result this Report will also serve as the Annual Speed Trend Study Report - of speeds on rural, tangent, level sections of the several types of highway in the state.

The data were collected under the direction of Mr. G. K. Stafford of our staff and the Report has been authored by Mr. Graham Toft, Graduate Instructor in Research on our staff. Prof. H. L. Michael has directed the Study.

The results indicate a decrease of 0.7 mph in the average speed of all passenger cars and a decrease of 0.3 mph for heavy trucks to that of the 1975 Annual Study.

Copies of the report will be forwarded to the Federal Highway Administration and the ISHC for acceptance as fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police, the Indiana Office of Traffic Safety and any one else requesting a copy of this report.

Respectfully submitted,

Harold & Michael

Harold L. Michael
Associate Director

HLM/SS

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Interim Report
TRAFFIC SPEED REPORT NO. 98

by

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and

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Joint Highway Research Project
File No.: 8-3-3
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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
January 11, 1977

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16. Abstract <p>This report is the quarterly study of speeds of vehicles on rural Indiana Highways. Observations of spot speeds were taken on interstate, four-lane, and two-lane rural highways and interstate urban highways throughout the state during the months of July, August and September 1976.</p> <p>Analysis of the speeds showed the overall average speed for passenger cars was 58.0 mph. The overall average speed for heavy trucks was 57.1 mph. These were 0.7 mph and 0.3 mph lower for passenger cars and heavy trucks, respectively, than the results of June-September 1975 (Speed Report No. 94).</p>			
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TRAFFIC SPEED REPORT NO. 98

This report is an analysis of spot speed observations made during July and August 1976. All observations were of free-flowing vehicles on level, tangent sections of rural and urban highways under favorable conditions. All observations were made during daylight except for three stations, one each on the three rural classifications.

The speed monitoring stations for each highway classification were divided into two groups. The first group is identified as "control stations" and studied from the same locations on selected Federal and State highways as used in previous studies. The "primary control stations" will be used in each quarterly study. The "secondary control stations" will be included only in the annual studies. The second group is selected at random for each quarterly study.

Twenty-eight speed monitoring stations were used for this reported study. Seven of these stations were the primary control stations and seven were secondary control stations noted above. The other fourteen stations were selected at random for this quarterly study.

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

Rural Interstate Highways

*RI-21	(I-69)	First bridge south of junction with S.R. 18
*RI-6	(I-65)	7.5 miles north of junction with S.R. 160 at rest park
**RI-34	(I-65)	South of Lebanon: Northbound at Co. Rd. 300S, Southbound at first bridge south of S.R. 39
**RI-12	(I-74)	0.1 mile west of mile marker 109
RI-1	(I-64)	Eastbound at 0.25 mile west of mile marker 21, Westbound at 0.2 mile east of mile marker 20
RI-15	(I-70)	Eastbound at 2.2 mile west of S.R. 39, Westbound at mile marker 64
RI-31	(I-65)	Northbound at Co. Rd. 1800S, Southbound at Co. Rd. 100W
RI-37	(I-70)	At Ripley Road Overpass

Four-lane Highways

*4L-32	(U.S. 30)	Eastbound at 3.7 miles east of Co. Rd. 400E, Westbound at 1.2 miles west of Co. Rd. 400E
*4L-17	(U.S. 52)	Eastbound at 30 yds. east of Co. Rd. 475W, Westbound at 0.25 mile east of Co. Rd. 475W
**4L-21	(U.S. 31)	1.2 miles south of S.R. 38
**4L-20	(U.S. 41)	1.0 mile north of S.R. 2
4L-3	(U.S. 41)	Northbound at 4.2 miles south of S.R. 58, Southbound at 4.65 miles south of S.R. 54
4L-15	(U.S. 40)	West of Richmond: Eastbound at Garr Nursery, Westbound at Hillside Nursery
4L-25	(U.S. 31)	Northbound at 1.3 miles south of Lakeville, Southbound at 2.7 miles south of Lakeville
4L-30	(U.S. 30)	7.5 miles east of junction with U.S. 31 north

Two-lane Highways

*2L-18	(U.S. 35)	1.5 miles east of Interstate 69
*2L-54	(U.S. 231)	1.0 mile south of junction with S.R. 234
**2L-91	(S.R. 43)	2 miles south of Chalmers
**2L-79	(S.R. 25)	0.7 mile south of Americus
2L-27	(U.S. 35)	West of Gas City and 1.4 miles west of junction with S.R. 37

*Primary control stations

**Secondary control stations

Two-lane Highways (Con't.)

2L-60	(S.R. 67)	1.1 miles west of Owen-Morgan Co. line
2L-68	(S.R. 32)	2.9 miles west of Winchester
2L-69	(U.S. 50)	3.7 miles west of Versailles

Urban Interstate Highways

*UI-6	(I-65)	East of White River bridge
**UI-1	(I-94)	First bridge east of Burr interchange
UI-5	(I-465)	At bridge of Township Line Road
UI-2	(I-65)	At 7.5 miles north of U.S. 30

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

The maximum speed limit in Indiana is 55 miles per hour, both on Interstate and other rural highways.

*Primary control stations

**Secondary control stations

FIGURE A , LOCATIONS OF SPEED-STUDY STATIONS

Equipment and Field Procedure

The observations for this study were obtained by use of a Radar Speed Meter. The meter was placed approximately four feet from the edge of the pavement at angles less than 10° with the highway center line. No corrections of speeds were necessary at these small angles. At the beginning of the study and periodically thereafter the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

RESULTS OF ANALYSIS

The data collected were analyzed and are summarized in Tables 1 to 28 in the Appendix. Tables 29, 30, 31 and 32 summarize the data for rural interstate, four lane, two lane and urban interstate highways, respectively. Table 33 is the summary for all highways. Tables 34 through 62 are summaries in an FHWA format which they require.

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

	<u>Interstate</u>		<u>Other</u>	
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane</u>	<u>Two Lane</u>
<u>Passenger Cars:</u>			<u>Rural</u>	<u>Rural</u>
Indiana	58.4	59.5	57.2	56.4
Non-Indiana	58.6	60.2	57.8	57.8
All Passenger Cars	58.4	59.8	57.3	56.6
85 Percentile (all)	63.6	64.3	61.8	61.5
<u>Trucks:</u>				
Less than 5000 lbs.	57.7	58.5	56.9	55.6
5000 lbs. or more	57.3	58.4	56.6	55.4
<u>All Vehicles:</u>				
Average	58.1	59.3	57.1	56.2
85 Percentile	62.3	63.7	61.7	61.2

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

	<u>Interstate</u>		<u>Other</u>	
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane</u>	<u>Two Lane</u>
<u>Passenger Cars:</u>				
Indiana	74.7	81.0	65.3	55.5
Non-Indiana	78.9	84.7	68.8	64.1
All Passenger Cars	76.1	82.5	65.9	56.6
<u>Trucks:</u>				
Less than 5000 lbs.	72.7	74.6	62.8	51.1
5000 lbs. or more	68.8	71.6	63.6	50.7
All Vehicles:	73.6	78.9	65.0	54.6

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

	<u>Interstate</u>		<u>Other</u>	
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane Rural</u>	<u>Two Lane Rural</u>
<u>Passenger Cars:</u>				
Indiana	30.3	38.6	23.7	20.2
Non-Indiana	32.3	44.9	27.0	29.0
All Passenger Cars	31.0	41.1	24.3	21.3
<u>Trucks:</u>				
Less than 5000 lbs.	28.1	30.0	23.9	18.0
5000 lbs. or more	24.0	31.2	25.6	17.6
<u>All Vehicles:</u>	29.0	37.4	24.5	20.1

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

	<u>Interstate</u>		<u>Other</u>	
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane Rural</u>	<u>Two Lane Rural</u>
<u>Passenger Cars:</u>				
Indiana	7.7	10.9	6.1	6.2
Non-Indiana	5.5	13.4	6.0	10.0
All Passenger Cars	7.0	11.9	6.1	6.7
<u>Trucks:</u>				
Less than 5000 lbs.	5.0	8.1	6.9	5.3
5000 lbs. or more	4.5	6.9	4.1	3.1
<u>All Vehicles:</u>	6.1	10.2	5.8	5.9

Summary and Conclusions

The overall average speed for all vehicles and passenger cars in this study was found to be 57.6 and 58.0 mph, respectively. The overall average speeds for heavy trucks and for all trucks were found to be 57.1 mph and 57.0 mph, respectively. These overall average speeds for all vehicles and passenger cars are 0.8 and 0.9 mph, respectively, above the results of May-June, 1976. Further, the overall average speeds for heavy trucks and for all trucks increased 0.5 mph and 0.9 mph, respectively, above the results of the May-June 1976 study.

Table A presents a comparison of the overall speed results with that of the previous two studies. The 85th percentile speed of passenger cars increased 0.9 mph over the May-June 1976 study.

A comparison of July-September 1976 speed data with that for other recent periods for several types of highway for passenger cars and trucks is shown in Tables B, C, D and E.

The largest increases in average truck speeds occurred on urban interstate and 2-lane highways. However these truck speeds for both highway types were less, on the average, than the truck speeds for the same time in 1975. The average speeds of heavy trucks increased for urban interstate and 2-lane highway also but decreased for rural interstate and 4-lane highways when compared with the May-June 1976 results. The average speed of passenger vehicles increased from the May-June study by at least 0.9 mph on all highway types except for other 4-lane highways where the increase was only 0.2 mph. The

TABLE A
COMPARISON OF THE OVERALL SPEED RESULTS

	July-Sept.	April-June	Feb.-March
	<u>1976</u>	<u>1976</u>	<u>1976</u>
<u>Average</u>			
All Passenger Cars	58.0	57.1	57.3
Heavy Trucks	57.1	56.6	54.9
All Trucks	57.0	56.1	55.6
<u>85 Percentile:</u>			
All Passenger Cars	62.7	61.8	61.5
Heavy Trucks	61.9	61.9	59.5
All Trucks	61.9	61.4	60.2
<u>15 Percentile:</u>			
Heavy Trucks	51.4	50.5	49.3

TABLE B
AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (URBAN)

	July-Sept. <u>1976</u>	April-June <u>1976</u>	Feb.-March <u>1976</u>	Oct.-Nov. <u>1975</u>
<u>Passenger Cars:</u>				
Indiana	58.4	57.5	57.2	59.1
Non-Indiana	58.6	57.8	57.5	58.8
All Passenger Cars	58.4	57.5	57.2	59.0
85 Percentile (all)	63.6	61.6	61.0	62.3
<u>Trucks:</u>				
Less than 5000 lbs.	57.7	56.4	57.0	61.0
5000 lbs. or more	57.3	54.8	54.4	58.1

TABLE C
AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (RURAL)

	July-Sept. <u>1976</u>	April-June <u>1976</u>	Feb.-March <u>1976</u>	Oct.-Nov. <u>1975</u>
<u>Passenger Cars:</u>				
Indiana	59.5	58.1	57.4	56.8
Non-Indiana	60.2	58.9	58.0	57.1
All Passenger Cars	59.8	58.6	57.5	56.9
85 Percentile (all)	64.3	62.5	61.8	60.4
<u>Trucks:</u>				
Less than 5000 lbs.	58.5	57.1	56.5	55.9
5000 lbs. or more	58.4	58.7	56.7	56.5

TABLE D
AVERAGE SPEEDS ON OTHER FOUR-LANE HIGHWAYS

	July-Sept. <u>1976</u>	April-June <u>1976</u>	Feb.-March <u>1976</u>	Oct.-Nov. <u>1975</u>
<u>Passenger Cars:</u>				
Indiana	57.2	57.1	57.7	58.2
Non-Indiana	57.8	57.2	58.6	58.7
All Passenger Cars	57.3	57.1	57.8	58.3
85 Percentile (all)	61.8	61.9	62.2	62.3
<u>Trucks:</u>				
Less than 5000 lbs.	56.9	56.6	57.0	56.0
5000 lbs. or more	56.6	57.0	54.9	55.7

TABLE E
AVERAGE SPEEDS ON TWO-LANE HIGHWAYS

	July-Sept. <u>1976</u>	April-June <u>1976</u>	Feb.-March <u>1976</u>	Oct.-Nov. <u>1975</u>
<u>Passenger Cars:</u>				
Indiana	56.4	55.3	56.4	57.5
Non-Indiana	57.8	55.3	55.9	57.1
All Passenger Cars	56.6	55.3	56.4	57.4
85 Percentile (all)	61.5	60.7	60.5	62.5
<u>Trucks:</u>				
Less than 5000 lbs.	55.6	53.5	55.2	56.4
5000 lbs. or more	55.4	53.5	53.4	55.4

average speed for all passenger vehicles was less than that at the same time last year for all highway types except on rural interstate.

Table F further compares speed results for the classes of rural highways and vehicle types over the past ten years. Compared with August 1975 results, the average speeds of passenger cars in August 1976 decreased for each rural highway type. The largest decrease was 1.2 mph for two-lane highways and smallest decrease was 0.1 mph for rural interstate. The decrease in average speed of passenger cars over all rural highway types was 0.7 mph.

The average speed of all trucks also declined over all road types compared with August 1975. However, the decrease was not as great, 0.5 mph, and in the case of other four-lane highways the average speed of trucks rose by 0.7 mph. The average speed of heavy trucks, in fact, has not varied greatly over the last 8 years. The current average speed of 57.1 mph on all rural highways is the average speed of heavy trucks taken over the last eight years.

For the first time in our speed studies, speeds were measured at night at three (3) locations, one on each of the rural highway classifications. The average speed at these three stations was between 2 and 4 mph less than on other stations of the same highway class where speed was measured during daylight hours.

TABLE F
SUMMARY OF SPOT SPEED OBSERVATION ON RURAL INDIANA HIGHWAYS
(Free-moving Vehicles on Level, Tangent Sections)

		Passenger Cars				Trucks		
		Ind. Mean	Non-Ind. Mean	All Mean	All 85%	Light Mean	Heavy Mean	All Mean
Two-Lane Highways								
Aug.	'67	61.0	61.9	61.3	68.0	53.8	51.9	52.7
June	'68	61.2	62.4	61.5	68.1	54.4	54.2	54.3
July	'69	64.7	64.6	64.7	71.9	60.5	55.9	57.9
July	'70	62.3	62.8	62.3	68.9	59.0	54.8	56.7
July	'71	61.4	60.9	61.3	68.0	58.0	54.0	55.6
June	'72	62.0	62.4	62.0	68.7	53.3	55.6	56.7
Aug.	'73	62.1	61.4	62.1	68.7	58.7	56.4	57.3
Aug.	'74	56.8	55.9	56.7	61.8	55.3	54.5	54.8
Aug.	'75	57.2	57.4	57.8	62.5	57.5	56.2	56.9
Aug.	'76	56.4	57.8	56.6	61.5	55.6	55.4	55.5
Four-Lane Highways								
Aug.	'67	64.3	65.7	65.0	70.3	57.0	54.0	54.9
June	'68	64.2	66.2	64.9	70.4	58.4	55.4	56.2
July	'69	67.7	68.3	67.9	74.6	64.0	58.0	59.6
July	'70	64.6	64.3	64.5	70.6	59.7	55.0	54.2
July	'71	64.3	65.4	64.7	70.7	59.8	56.4	57.4
June	'72	64.3	64.3	64.3	70.9	59.4	55.2	57.1
Aug.	'73	64.0	63.7	63.9	70.9	60.8	57.8	59.1
Aug.	'74	58.0	57.9	58.0	63.1	56.8	54.4	55.3
Aug.	'75	57.6	58.1	57.7	62.0	56.4	55.9	56.1
Aug.	'76	57.2	57.8	57.3	61.8	56.9	56.6	56.8
Interstate Highways (Rural)								
Aug.	'67	66.4	68.3	67.1	73.6	60.0	56.9	57.5
June	'68	66.2	67.9	66.8	72.4	60.5	57.9	58.5
July	'69	70.2	71.2	70.6	76.6	65.3	59.9	61.4
July	'70	69.1	69.2	69.2	74.6	63.8	59.6	60.5
July	'71	68.3	68.7	68.5	73.7	64.8	59.4	60.8
June	'72	69.1	69.6	69.3	74.4	63.7	60.9	61.8
Aug.	'73	69.3	70.1	69.6	74.8	64.1	61.6	62.3
Aug.	'74	58.3	59.3	58.7	62.6	56.7	56.4	56.5
Aug.	'75	59.7	60.2	59.9	64.2	58.2	59.3	58.9
Aug.	'76	59.5	60.2	59.8	64.3	58.5	58.4	58.4
All Rural Highways								
Aug.	'67	63.9	65.8	64.5		56.3	54.6	55.1
June	'68	63.8	66.6	64.5		57.2	56.2	56.5
July	'69	67.3	68.8	67.9		62.7	57.9	59.5
July	'70	65.1	66.3	65.5		60.3	56.4	57.5
July	'71	64.3	66.2	64.9		60.3	56.8	57.9
June	'72	64.8	66.9	65.2		60.1	57.6	58.6
Aug.	'73	64.7	67.1	65.2		60.9	58.8	59.6
Aug.	'74	57.6	58.4	57.8		56.2	55.1	55.6
Aug.	'75	58.5	59.5	58.7		57.5	57.4	57.4
Aug.	'76	57.5	59.1	58.0		56.9	57.1	57.0

TABLE 1 SPEED DATA

Station	RI-21	Highway	I-69	Location	First Bridge South of Jct. S.R. 18
No. of Lanes	4	Type of Surface	Portland Cement Concrete	Weather	Clear
This Observation					
Date	8-18-76	Last Previous Observation (Speed Report No. 97)			
Time	9:40 AM - 12:05 PM	Date	6-2-76		
		Time	10:35-11:35 AM and 12:05- 1:20 PM		

	OBSERVATION	PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
All Vehicles	No. of vehicles obs.	335	276	199	169	136	107	88	151	38	55	50	96
	Ave. speed (m.p.h.)	57.94	59.49	57.59	59.48	58.46	59.50	56.77	58.86	57.05	57.62	56.56	59.57
	Standard deviation	4.855	4.410	4.494	4.550	5.315	4.201	4.446	4.655	5.362	4.412	3.643	4.663
	24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	44 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	49 m.p.h.	3.28	.72	3.52	1.18	2.94	0.0	4.55	1.99	5.26	3.64	4.00	1.04
	54 m.p.h.	19.70	12.32	22.11	11.83	16.18	13.08	30.68	17.88	34.21	23.64	28.00	14.58
	59 m.p.h.	65.37	51.45	68.84	53.25	60.29	48.60	75.00	56.29	71.05	69.09	78.00	48.96
	64 m.p.h.	93.73	87.68	94.47	86.98	92.65	88.79	95.45	86.09	92.11	90.91	98.00	83.33
of vehicles traveling at or less than	69 m.p.h.	98.21	98.91	98.49	98.82	97.79	99.07	100.00	99.34	100.00	100.00	100.00	98.96
	74 m.p.h.	99.40	99.64	100.0	99.41	98.53	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	79 m.p.h.	99.70	100.00	100.00	100.00	99.26	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	84 m.p.h.	99.70	100.00	100.00	100.00	99.26	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	89 m.p.h.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	No. of vehicles obs.	169	126	107	88	62	38	42	85	17	24	25	61
	Average speed	59.05	60.34	58.42	60.53	60.15	59.89	58.31	59.34	59.29	57.71	57.64	59.98
	No. of vehicles obs.	166	150	92	81	74	69	46	66	21	31	25	35
	Average speed	56.81	58.77	56.62	58.33	57.04	59.29	55.37	58.24	55.24	57.55	55.48	58.86

TABLE 2 SPEED DATA

Station RI-6 Highway I-65 Location 7.5 Miles North Jct. S.R. 160 at Rest Park

No. of Lanes 4 Type of Surface Portland Cement Concrete Weather Clear

This Observation Last Previous Observation (Speed Report No. 97)

Date 8-9-76 Date 6-10-76

Time 8:20 - 11:30 PM (Night) Time 12:00 - 12:50 PM and
1:15 - 2:05 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	302	248	96	248	206	0	118	172	68	21	50	151
Ave. speed (m.p.h.)	58.74	57.97	58.22	57.97	58.99	0.0	58.07	55.78	57.51	57.10	58.82	55.60
Standard deviation	4.211	5.018	3.809	5.018	4.373	0.0	4.835	3.837	4.583	3.032	5.110	3.909
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 m.p.h.	0.66	0.81	0.0	0.81	0.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 m.p.h.	0.99	2.82	0.0	2.82	1.46	0.0	5.08	5.81	4.41	0.0	6.00	6.62
54 m.p.h.	14.57	22.98	16.67	22.98	13.59	0.0	25.42	38.95	27.94	19.05	22.00	41.72
59 m.p.h.	62.25	67.74	67.71	67.74	59.71	0.0	56.78	84.88	64.71	85.71	46.00	84.77
64 m.p.h.	91.06	90.32	93.75	90.32	89.81	0.0	92.37	99.42	94.12	100.00	90.00	99.34
69 m.p.h.	98.68	97.98	100.0	97.98	98.06	0.0	99.15	100.00	100.00	100.00	98.00	100.00
74 m.p.h.	100.00	99.60	100.00	99.60	100.00	0.0	100.00	100.00	100.00	100.00	100.00	100.00
79 m.p.h.	100.00	99.60	100.00	99.60	100.00	0.0	100.00	100.00	100.00	100.00	100.00	100.00
84 m.p.h.	100.00	100.00	100.00	100.00	100.00	0.0	100.00	100.00	100.00	100.00	100.00	100.00
89 m.p.h.	100.00	100.00	100.00	100.00	100.00	0.0	100.00	100.00	100.00	100.00	100.00	100.00
No. of vehicles obs.	155	116	51	116	104	0	55	92	30	11	25	81
Average speed	59.09	59.10	58.69	59.10	59.24	0	59.75	57.00	58.57	58.18	61.16	56.84
No. of vehicles obs.	147	132	45	132	102	0	63	80	38	10	25	70
Average speed	58.37	56.98	57.69	56.98	58.68	0.00	56.60	54.39	56.68	55.90	56.48	54.17

All Vehicles

End

TABLE 3 SPEED DATA

Station RI-34 Highway I-65 Location South of Lebanon; N.B. at Co. Rd. 300S, S.B. at First
 No. of Lanes 4 Type of Surface Concrete Bridge South of S.R. 39 Weather Clear
 This Observation Last Previous Observation (Speed Report No. 97)
 Date 8-24-76 Date _____
 Time 3:00 - 4:35 PM Time _____

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.		269		173		96		159		50		109
Ave. speed (m.p.h.)		60.77		60.37		61.48		60.65		61.18		60.41
Standard deviation		4.353		4.267		4.437		4.812		3.842		5.195
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
44 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
49 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
54 m.p.h.		5.58		6.36		4.17		7.55		2.00		1.83
59 m.p.h.		43.12		46.82		36.46		45.91		38.00		49.54
64 m.p.h.		81.04		83.24		77.08		80.50		84.00		78.90
69 m.p.h.		95.91		95.38		96.88		96.86		98.00		96.33
74 m.p.h.		99.26		100.00		97.92		98.74		100.00		98.17
79 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
84 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
89 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
No. of vehicles obs.		142		93		49		76		22		54
Average speed		61.82		61.33		62.73		61.78		62.45		61.50
No. of vehicles obs.		127		80		47		83		28		55
Average speed		59.59		59.25		60.17		59.63		60.18		59.35

TABLE 4 SPEED DATA

Station RI-12 Highway I-74 Location 0.1 Mile West of Mile Marker 109
 No. of Lanes 4 Type of Surface _____ Concrete _____ Weather Clear
 This Observation _____ Last Previous Observation (Speed Report No. 97) _____
 Date 8-26-76 Date _____ Time _____
 Time 11:15 AM - 1:25 PM

	OBSERVATION	PASSENGER CARS						TRUCKS											
		All			Indiana			Non-Indiana			All			<5000 lbs.			>5000 lbs.		
		Last	Pres-ent		Last	Pres-ent		Last	Pres-ent		Last	Pres-ent		Last	Pres-ent		Last	Pres-ent	
All Vehicles	No. of vehicles obs.		273		158		115		158		42		116						
	Ave. speed (m.p.h.)		59.33		58.72		60.17		58.78		58.55		58.87						
	Standard deviation		4.986		4.988		4.882		4.536		5.047		4.357						
	24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0						
	29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0						
	34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0						
	39 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0						
	44 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0						
	49 m.p.h.		1.83		1.90		1.74		3.80		7.14		2.59						
	54 m.p.h.		13.92		17.72		8.70		15.82		16.67		15.52						
	59 m.p.h.		54.58		60.76		46.09		52.53		61.90		49.14						
	64 m.p.h.		84.62		86.08		82.61		92.41		88.10		93.97						
	69 m.p.h.		96.34		96.20		96.52		100.00		100.00		100.00						
	74 m.p.h.		99.27		99.37		99.13		100.00		100.00		100.00						
	79 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00						
	84 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00						
	89 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00						
Bnd Bnd	No. of vehicles obs.		134		82		52		82		20		62						
	Average speed		59.81		59.72		59.96		59.23		58.50		59.47						
	No. of vehicles obs.		139		76		63		76		22		54						
	Average speed		58.87		57.64		60.35		58.30		58.59		58.19						

TABLE 5 SPEED DATA

E.B. at 0.25 Mile West of Mile Marker 21
 W.B. at 0.2 Mile East of Mile Marker 20

Station RI-1

Highway I-64

No. of Lanes _____ Type of Surface Concrete

Weather Clear

This Observation

Date 8-2-76

Time 2:58 - 6:00 PM

Last Previous Observation (Speed Report No. 97)

Date _____

Time _____

OBSERVATION	PASSENGER CARS						TRUCKS					
	All			Indiana			Non-Indiana			All		
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
No. of vehicles obs.		257		75		182		163		68		95
Ave. speed (m.p.h.)		58.11		57.05		58.55		56.87		56.78		56.94
Standard deviation		4.887		4.641		4.931		4.348		4.619		4.166
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
44 m.p.h.		0.0		0.0		0.0		0.61		1.47		0.0
49 m.p.h.		3.50		8.00		1.65		3.68		4.41		3.16
54 m.p.h.		21.40		24.00		20.33		30.06		26.47		32.63
59 m.p.h.		66.93		76.00		63.19		74.23		73.53		74.74
64 m.p.h.		89.88		94.67		87.91		95.71		95.59		95.79
69 m.p.h.		97.67		100.00		96.70		99.39		98.53		100.00
74 m.p.h.		99.61		100.00		99.45		100.00		100.00		100.00
79 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
84 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
89 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
No. of vehicles obs.		129		41		88		81		31		50
Average speed		57.50		56.80		57.83		56.02		56.84		55.52
No. of vehicles obs.		128		34		94		82		37		45
Average speed		58.73		57.35		59.22		57.71		56.73		58.51

All Vehicles

Bnd

Bnd

TABLE 6 SPEED DATA

E.B. at 2.2 Miles West of S.R. 39

Station RI-15 Highway I-70

Location W.B. at Mile Marker 64

No. of Lanes 4

Type of Surface Concrete

Weather Clear

This Observation

Last Previous Observation (Speed Report No. 97)

Date 8-23-76

Date

Time 1:00 - 3:25 PM

Time

	OBSERVATION	PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
All Vehicles	No. of vehicles obs.		293		112		181		141		64		77
	Ave. speed (m.p.h.)		60.58		59.98		60.94		59.56		59.63		59.51
	Standard deviation		4.587		4.129		4.823		5.143		5.857		4.503
	24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	39 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	44 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	49 m.p.h.		0.34		0.0		0.55		2.84		4.69		1.30
	54 m.p.h.		9.56		9.82		9.39		15.60		18.75		12.99
	59 m.p.h.		39.25		43.75		36.46		51.06		50.00		51.95
	64 m.p.h.		79.86		87.50		75.14		83.69		82.81		84.42
	69 m.p.h.		97.61		99.11		96.69		96.45		93.75		98.70
End	74 m.p.h.		99.66		100.00		99.45		99.29		98.44		100.00
	79 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
	84 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
	89 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
	No. of vehicles obs.		140		55		85		82		46		36
End	Average speed		61.34		60.13		62.12		59.89		60.59		59.00
	No. of vehicles obs.		153		57		96		59		18		41
End	Average speed		59.88		59.84		59.91		59.10		57.17		59.95

TABLE 7 SPEED DATA

Station RI-31 Highway I-65 Location N.B. at County Road 1800 South
S.B. at County Road 1100 West

No. of Lanes 4 Type of Surface Concrete Weather Clear

This Observation

Last Previous Observation (Speed Report No. 97)

Date 8-27-76

Date

Time 9:25 - 11:55 AM

Time

	OBSERVATION	PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pre- ent	Last	Pre- ent	Last	Pre- ent	Last	Pre- ent	Last	Pre- ent	Last	Pre- ent
All Vehicles	No. of vehicles obs.		284		284		0.0		149		37		112
	Ave. speed (m.p.h.)		60.88		60.88		0.0		58.89		59.43		58.71
	Standard deviation		5.060		5.060		0.0		4.862		5.757		4.543
	24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	39 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	44 m.p.h.		0.70		0.70		0.0		0.0		0.0		0.0
	49 m.p.h.		1.76		1.76		0.0		1.34		0.0		1.79
	54 m.p.h.		7.39		7.39		0.0		14.77		13.51		15.18
	59 m.p.h.		36.27		36.27		0.0		60.40		62.16		59.82
	64 m.p.h.		79.58		79.58		0.0		87.92		86.49		88.39
% of vehicles traveling at or less than	69 m.p.h.		95.42		95.42		0.0		96.64		91.89		98.21
	74 m.p.h.		99.30		99.30		0.0		99.33		97.30		100.00
	79 m.p.h.		99.65		99.65		0.0		100.00		100.00		100.00
	84 m.p.h.		100.00		100.00		0.0		100.00		100.00		100.00
	89 m.p.h.		100.00		100.00		0.0		100.00		100.00		100.00
Bnd	No. of vehicles obs.		140		140		0.0		78		13		65
	Average speed		61.21		61.21		0.0		59.31		59.62		59.25
Bnd	No. of vehicles obs.		144		144		0.0		71		24		47
	Average speed		60.57		60.57		0.0		58.44		59.33		57.98

TABLE 8 SPEED DATA

Station RI-37 Highway I-70 Location At Ripley Road Overpass Weather Cloudy
 No. of Lanes 4 Type of Surface Concrete Last Previous Observation (Speed Report No. 97)
 This Observation
 Date 8-4-76
 Time 9:44 AM - 12:30 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.		278		92		186		142		60		82
Ave. speed (m.p.h.)		60.59		60.33		60.72		58.29		57.53		58.84
Standard deviation		5.088		4.957		5.160		4.259		4.168		4.264
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
44 m.p.h.		0.36		0.0		0.54		0.0		0.0		0.0
49 m.p.h.		2.16		1.09		2.69		2.11		1.67		2.44
54 m.p.h.		9.71		11.96		8.60		19.01		23.33		15.85
59 m.p.h.		45.32		48.91		43.55		61.97		75.00		52.44
64 m.p.h.		78.78		79.35		78.49		92.25		95.00		90.24
69 m.p.h.		95.68		96.74		95.16		98.59		98.33		98.78
74 m.p.h.		98.92		97.83		99.46		100.00		100.00		100.00
79 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
84 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
89 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
No. of vehicles obs.		137		34		103		73		31		42
Average speed		61.41		60.03		61.86		58.40		57.03		59.40
No. of vehicles obs.		141		58		83		69		29		40
Average speed		59.79		60.50		59.29		58.17		58.07		58.25

All Vehicles

Bnd

Bnd

TABLE 9 SPEED DATA

E.B. at 3.7 mile east of County Road 400 E.

Location W.B. at 1.2 mile west of County Road 400 E.Station 4L-32 Highway U.S. 30Weather Sunny - HotNo. of Lanes 4 Type of Surface Asphalt ConcreteThis Observation Last Previous Observation (Speed Report No. 97)Date 7-14-76Date 6-3-76Time 3:34-5:43 PMTime 10:50 - 1:45 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	296	254	213.	188	83	66	127	167	76	66	51	101
Ave. speed (m.p.h.)	56.50	56.19	56.21	56.34	57.24	55.77	56.79	56.02	56.97	56.08	56.51	55.98
Standard deviation	4.546	5.303	4.554	5.606	4.466	4.339	4.503	5.429	4.814	5.652	4.027	5.307
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0	1.52	0.0	0.0
44 m.p.h.	0.34	1.57	0.0	2.13	1.20	0.0	0.0	1.80	0.0	4.55	0.0	0.0
49 m.p.h.	7.77	9.06	7.51	9.57	8.43	7.58	3.15	7.19	2.63	7.58	3.92	6.93
54 m.p.h.	33.78	35.43	37.56	34.57	24.10	37.88	32.28	40.72	31.58	36.36	33.33	43.56
59 m.p.h.	74.32	76.38	76.53	76.60	68.67	75.76	72.44	79.04	68.42	81.82	78.43	77.23
64 m.p.h.	95.27	94.49	95.31	93.09	95.18	98.48	94.49	93.41	92.11	93.94	98.04	93.07
69 m.p.h.	99.66	97.64	99.53	96.81	100.00	100.00	99.21	99.40	98.68	100.0	100.00	99.01
74 m.p.h.	100.00	99.61	100.00	99.47	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
79 m.p.h.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
84 m.p.h.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
89 m.p.h.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of vehicles obs.	158	110	113	90	45	20	53	101	27	42	26	59
Average speed	55.91	58.15	55.58	58.52	56.76	56.45	56.38	57.91	57.11	57.86	55.62	57.95
No. of vehicles obs.	138	144	100	98	38	46	74	66	49	24	25	42
Average speed	57.17	54.70	56.93	54.34	57.82	55.48	57.08	53.12	56.90	52.96	57.44	53.21

All Vehicles

and

and

TABLE 10 SPEED DATA

Station 4L - 17 Highway U.S. 52 Location E.B. at 30 Yards East of County Road 475 W.
W.B. at 0.25 Mile East of County Road 475 W.

No. of Lanes 4 Type of Surface Asphalt Concret Weather Clear

This Observation

Last Previous Observation (Speed Report No. 97)

Date 8-27-76 Date 6-15-76

Time 1:45 - 4:20 PM Time 9:10-11:10AM and 11:30-1:00 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All			Indiana			Non-Indiana			All		
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
No. of vehicles obs.	303	334	285	272	18	62	137	138	86	51	52	52
Ave. speed (m.p.h.)	56.54	57.11	56.58	56.93	55.89	57.89	54.75	56.26	55.02	57.23	54.29	54.65
Standard deviation	6.617	5.556	6.550	5.455	7.775	5.965	6.696	6.420	7.318	6.418	5.529	6.151
24 m.p.h.	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
29 m.p.h.	0.0	0	0.0	0	0.0	0	0.73	0	1.16	0	0.0	0
34 m.p.h.	0.0	0.30	0.0	0.37	0.0	0	0.73	0	1.16	0	0.0	0
39 m.p.h.	1.65	0.60	1.75	0.74	0.0	0	1.46	1.45	2.33	1.16	0.0	1.92
44 m.p.h.	4.29	1.80	4.56	2.21	0.0	0	5.84	4.35	5.81	3.49	5.88	5.77
49 m.p.h.	12.21	6.59	11.23	6.25	27.78	8.06	18.98	12.32	18.60	9.30	19.61	17.31
54 m.p.h.	33.66	28.74	32.28	28.68	55.56	29.03	46.72	37.68	44.19	30.23	50.98	50.00
59 m.p.h.	67.99	69.46	68.42	70.96	61.11	62.90	73.72	68.84	68.60	65.12	82.35	75.00
64 m.p.h.	89.44	93.11	89.82	94.12	83.33	88.71	97.81	91.30	96.51	88.37	100.0	96.15
69 m.p.h.	99.01	98.80	99.30	98.90	94.44	98.39	98.54	99.28	97.67	98.84	100.0	100.0
74 m.p.h.	99.67	99.10	99.65	99.26	100.0	98.39	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.	99.67	100.00	99.65	100.00	100.00	100.00	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	100.0	100.00	100.0	100.00	100.00	100.00	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.00	100.0	100.00	100.00	100.00	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.	160	153	155	127	5	26	57	57	37	44	20	13
Average speed	57.36	58.77	57.39	58.43	56.60	60.42	55.46	58.23	54.95	58.77	56.40	56.38
No. of vehicles obs.	143	181	130	145	13	36	80	81	49	42	31	39
Average speed	55.62	55.71	55.62	55.62	55.62	56.06	54.25	54.88	55.08	55.62	52.94	54.08

All Vehicles

Bnd

Bnd

TABLE 11 SPEED DATA

Station 4L-21 Highway U.S. 31 Location 1.2 Miles South of State Road 38No. of Lanes 4 Type of Surface Asphalt Weather ClearThis Observation Last Previous Observation (Speed Report No. 97)Date 8-24-76Time 11:05 AM - 1:20 PM

Date _____

Time _____

	OBSERVATION	PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
All Vehicles	No. of vehicles obs.		290		290		0.0		140		67		73
	Ave. speed (m.p.h.)		58.03		58.03		0.0		56.79		57.00		56.60
	Standard deviation		4.377		4.377		0.0		5.457		5.120		5.778
	24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	39 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	44 m.p.h.		0.0		0.0		0.0		0.71		0.0		1.37
	49 m.p.h.		0.0		0.0		0.0		2.86		1.49		4.11
	54 m.p.h.		3.10		3.10		0.0		7.14		5.97		8.22
	59 m.p.h.		20.00		20.00		0.0		27.86		25.37		30.14
	64 m.p.h.		67.24		67.24		0.0		69.29		73.13		65.75
% of vehicles traveling at or less than	69 m.p.h.		91.38		91.38		0.0		92.86		91.04		94.52
	74 m.p.h.		99.31		99.31		0.0		99.29		100.00		98.63
	79 m.p.h.		100.00		100.00		0.0		100.00		100.00		100.00
	84 m.p.h.		100.00		100.00		0.0		100.00		100.00		100.00
	89 m.p.h.		100.00		100.00		0.0		100.00		100.00		100.00
	No. of vehicles obs.		138		138		0.0		72		34		38
	Average speed		58.50		58.50		0.0		57.69		57.50		57.87
	No. of vehicles obs.		152		152		0.0		68		33		35
	Average speed		57.61		57.61		0.0		55.84		56.48		55.23
	Bnd												
	Bnd												

TABLE 12 SPEED DATA

Station 4L-20 Highway U.S. 41 Location 1.0 Mile North of S.R. 2 Weather Sunny

No. of Lanes 4 Type of Surface Asphalt Last Previous Observation (Speed Report No. 97)

This Observation
 Date 7-14-76
 Time 10:15 AM - 2:03 PM

	OBSERVATION	PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
All Vehicles	No. of vehicles obs.		266		188		78		174		55		119
	Ave. speed (m.p.h.)		56.73		56.28		57.82		53.54		55.91		52.45
	Standard deviation		6.239		6.319		5.939		6.339		6.603		5.927
	24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	34 m.p.h.		0.0		0.0		0.0		0.57		0.0		0.84
	39 m.p.h.		1.50		1.06		2.56		2.30		0.0		3.36
	44 m.p.h.		3.38		3.72		2.56		6.90		7.27		6.72
	49 m.p.h.		9.77		11.70		5.13		23.56		14.55		27.73
	54 m.p.h.		34.96		38.30		26.92		55.17		41.82		61.34
	59 m.p.h.		69.17		70.74		65.38		82.18		69.09		88.24
	64 m.p.h.		90.60		90.96		89.74		95.98		89.09		99.16
	69 m.p.h.		97.37		98.40		94.87		100.00		100.00		100.00
Bnd	No. of vehicles obs.		138		100		38		92		32		60
	Average speed		57.23		56.74		58.53		52.63		55.19		51.27
	No. of vehicles obs.		128		88		40		82		23		59
	Average speed		56.19		55.75		57.15		54.56		56.91		53.64

TABLE 13 SPEED DATA

Station 4L-3

Highway U.S. 41

Location S.B. @ 4.65 Mi. South of S.R. 54

No. of Lanes

Type of Surface

Asphalt

Weather Cloudy

This Observation

Last Previous Observation (Speed Report No. 97)

Date 8-3-76

Date

Time 9:12 AM - 1:25 PM

Time

OBSERVATION	PASSENGER CARS						TRUCKS					
	All			Indiana			Non-Indiana			All		
	Last	Pres-ent	Last	Last	Pres-ent	Last	Last	Pres-ent	Last	Last	Pres-ent	Last
No. of vehicles obs.		254		182		72		169		74		95
Ave. speed (m.p.h.)		57.58		57.51		57.75		58.49		57.82		59.00
Standard deviation		4.645		4.791		4.278		4.699		5.180		4.245
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
44 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
49 m.p.h.		3.94		3.85		4.17		2.96		2.70		3.16
54 m.p.h.		25.20		27.47		19.44		19.53		25.68		14.74
59 m.p.h.		69.29		70.88		65.28		60.36		63.51		57.89
64 m.p.h.		92.52		91.21		95.83		89.35		89.19		89.47
69 m.p.h.		99.21		98.90		100.00		98.82		97.30		100.00
74 m.p.h.		99.21		98.90		100.00		100.00		100.00		100.00
79 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
84 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
89 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
No. of vehicles obs.		125		78		47		86		33		53
Average speed		57.78		57.68		57.94		59.19		59.73		58.85
No. of vehicles obs.		129		104		25		83		41		42
Average speed		57.39		57.38		57.40		57.76		56.29		59.19

All Vehicles

End

End

TABLE 14 SPEED DATA

Station 4L-15 Highway U.S.40 Location West of Richmond W.B. @ Hillside Nursery E.B. @ Carr Nursery
 No. of Lanes 4 Type of Surface Asphalt Weather Clear

This Observation Last Previous Observation (Speed Report No. 97.)
 Date 8-11-76 Date _____
 Time 11:20 PM - 2:20 AM (Night) Time _____

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
No. of vehicles obs.		120		120		0		27		24		3
Ave. speed (m.p.h.)		53.71		53.71		0		53.41		52.79		58.33
Standard deviation		7.088		7.088		0.0		8.135		8.408		2.517
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.83		0.83		0.0		7.41		8.33		0.0
44 m.p.h.		12.50		12.50		0.0		11.11		12.50		0.0
49 m.p.h.		23.33		23.33		0.0		29.63		33.33		0.0
54 m.p.h.		54.17		54.17		0.0		51.85		58.33		0.0
59 m.p.h.		84.17		84.17		0.0		81.48		83.33		66.67
64 m.p.h.		94.17		94.17		0.0		96.30		95.83		100.00
69 m.p.h.		96.67		96.67		0.0		96.30		95.83		100.00
74 m.p.h.		100.00		100.00		0.0		96.30		95.83		100.00
79 m.p.h.		100.00		100.00		0.0		100.00		100.00		100.00
84 m.p.h.		100.00		100.00		0.0		100.00		100.00		100.00
89 m.p.h.		100.00		100.00		0.0		100.00		100.00		100.00
No. of vehicles obs.		23		23		0.0		4		4		0.0
Average speed		53.70		53.70		0.0		53.50		53.50		1
No. of vehicles obs.		97		97		0.0		23		20		3
Average speed		53.71		53.71		0.0		53.39		52.65		58.33

All Vehicles

Bnd

Bnd

TABLE 15 SPEED DATA

N.B. @ 1.3 Mi. South of Lakeville
Location S.B. @ 2.7 Mi. South of Lakeville

Station 4L-25 Highway U.S.31

No. of Lanes Type of Surface Asphalt

Weather Clear

This Observation Last Previous Observation (Speed Report No. 97)

Date 8-16-76

Time 1:00 - 3:15 PM

Date

Time

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.		301		253		48		145		84		61
Ave. speed (m.p.h.)		57.82		57.77		58.08		57.02		57.25		56.70
Standard deviation		4.566		4.597		4.438		5.166		4.456		6.034
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		1.38		0.0		3.28
39 m.p.h.		0.0		0.0		0.0		1.38		0.0		3.28
44 m.p.h.		0.33		0.40		0.0		2.07		1.19		3.28
49 m.p.h.		2.33		2.37		2.08		3.45		3.57		3.28
54 m.p.h.		22.59		23.72		16.67		26.21		23.81		29.51
59 m.p.h.		68.44		67.98		70.83		72.41		75.00		68.85
64 m.p.h.		92.69		92.89		91.67		93.79		91.67		96.72
69 m.p.h.		98.01		98.42		95.83		100.00		100.00		100.00
74 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
79 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
84 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
89 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
No. of vehicles obs.		159		132		27		77		46		31
Average speed		57.03		57.14		56.48		56.58		56.72		56.39
No. of vehicles obs.		142		121		21		68		38		30
Average speed		58.70		58.45		60.14		57.51		57.89		57.03

All Vehicles

End Bnd

End Bnd

TABLE 16 SPEED DATA

Station 4L-30 Highway U.S. 30 Location 7.5 Mi. East of U.S. 31 North Weather Clear
 No. of Lanes 4 Type of Surface Concrete Last Previous Observation (Speed Report No. 97)
 This Observation
 Date 8-17-76
 Time 10:50 AM - 2:35 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.		236		162		74		207		54		153
Ave. speed (m.p.h.)		59.50		59.51		59.49		59.25		58.56		59.49
Standard deviation		4.245		4.421		3.861		4.119		3.965		4.157
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.0		0.0		0.0		0.48		0.0		0.65
44 m.p.h.		0.0		0.0		0.0		0.48		0.0		0.65
49 m.p.h.		0.0		0.0		0.0		0.97		0.0		1.31
54 m.p.h.		7.20		6.79		8.11		9.18		12.96		7.84
59 m.p.h.		57.20		58.64		54.05		53.62		64.81		49.67
64 m.p.h.		87.29		85.80		90.54		89.86		88.89		90.20
69 m.p.h.		98.31		98.15		98.65		100.00		100.00		100.00
74 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
79 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
84 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
89 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
No. of vehicles obs.		120		89		31		90		24		66
Average speed		59.52		59.29		60.19		59.28		59.33		59.26
No. of vehicles obs.		116		73		43		117		30		87
Average speed		59.47		59.77		58.98		59.22		57.93		59.67

All Vehicles

Bnd Bnd

Bnd Bnd

TABLE 17 SPEED DATA

Station 2L-18 Highway U.S. 35 Location 1.5 Mi. East of I-69 Weather Clear
 No. of Lanes 2 Type of Surface Asphalt Concrete
 This Observation Last Previous Observation (Speed Report No. 97)
 Date 8-18-76 Date 6-2-76
 Time 1:45 - 4:10 PM Time 2:25 - 5:20 PM

	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
OBSERVATION												
No. of vehicles obs.	305	281	256	221	49	60	128	167	78	64	50	103
Ave. speed (m.p.h.)	55.74	56.14	55.96	56.10	53.61	56.28	54.42	54.65	55.27	55.78	53.10	53.94
Standard deviation	6.022	5.189	6.064	5.006	5.726	5.857	5.692	6.359	5.886	7.367	5.160	5.566
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.36	0.0	0.0	0.0	1.67	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.33	0.36	0.39	0.0	0.0	1.67	0.78	1.20	0.0	0.0	0.0	0.0
44 m.p.h.	2.30	1.07	1.56	0.45	6.12	3.33	5.47	5.99	3.85	3.13	8.00	7.77
49 m.p.h.	14.10	8.19	12.89	8.60	20.41	6.67	14.06	17.37	12.82	12.50	16.00	20.39
54 m.p.h.	42.95	37.72	42.19	38.01	46.94	36.67	49.22	49.70	42.31	42.19	60.00	54.37
59 m.p.h.	76.39	76.16	75.78	77.83	79.59	70.00	84.38	85.03	79.49	85.94	92.00	84.47
64 m.p.h.	94.10	93.95	93.36	94.12	97.96	93.33	97.66	95.81	96.15	92.19	100.00	98.06
69 m.p.h.	97.38	98.93	96.88	98.64	100.0	100.0	99.22	99.40	98.72	98.44	100.0	100.0
74 m.p.h.	99.02	99.64	98.83	99.55	100.0	100.0	99.22	99.40	98.72	98.44	100.0	100.0
79 m.p.h.	99.34	100.0	99.22	100.0	100.0	100.0	100.0	99.40	100.0	98.44	100.0	100.0
84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.40	100.0	98.44	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.40	100.0	98.44	100.0	100.0
No. of vehicles obs.	149	145	124	110	25	35	66	92	41	39	25	53
Average speed	55.15	55.96	55.32	56.02	54.28	55.77	53.62	54.20	54.66	54.87	51.92	53.70
No. of vehicles obs.	156	136	132	111	24	25	62	75	37	25	25	50
Average speed	56.31	56.33	56.55	56.18	54.96	57.00	55.27	55.20	55.95	57.20	54.28	54.20

All Vehicles

Bnd

Bnd

TABLE 18 SPEED DATA

Station 2L-54 Highway U.S. 231 Location 1.0 Mile South of Junction with S.R. 234
 No. of Lanes 2 Type of Surface Asphalt Concrete Weather Clear
 This Observation
 Date 8-13-76 Last Previous Observation (Speed Report No. 97)
 Time 11:10 AM - 1:50 PM Date 6-25-76
 Time 9:45 AM - 12:30 PM

	PASSENGER CARS						TRUCKS					
	All			Indiana			Non-Indiana			All		
	Last	Pres- ent		Last	Pres- ent		Last	Pres- ent		Last	Pres- ent	
OBSERVATION												
No. of vehicles obs.	271	238	241	192	46	150	192	91	100	59	92	
Ave. speed (m.p.h.)	56.86	57.22	56.95	57.02	58.07	55.63	56.18	55.67	55.71	55.56	56.68	
Standard deviation	6.998	5.462	7.209	5.567	4.968	6.253	5.880	6.027	6.811	5.097	4.648	
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
39 m.p.h.	0.74	0.42	0.83	0.52	0.0	0.0	0.52	0.0	1.00	0.0	0.0	
44 m.p.h.	2.21	1.26	2.49	1.56	0.0	4.00	2.60	5.49	4.00	1.69	1.09	
49 m.p.h.	9.96	6.72	9.96	8.33	10.00	13.33	10.42	15.38	14.00	10.17	6.52	
54 m.p.h.	33.95	28.99	34.02	30.73	33.33	43.33	36.46	43.96	44.00	42.37	28.26	
59 m.p.h.	75.65	71.01	75.10	70.31	80.00	79.33	78.13	81.32	80.00	76.27	76.09	
64 m.p.h.	89.30	92.44	88.80	93.23	93.33	95.33	92.19	93.41	90.99	98.31	94.57	
69 m.p.h.	95.94	98.74	95.44	99.48	100.0	98.0	97.40	96.70	97.00	100.00	97.83	
74 m.p.h.	97.79	99.58	97.51	99.48	100.00	98.0	98.96	96.70	98.00	100.00	100.00	
79 m.p.h.	98.89	100.00	98.76	100.00	100.00	99.33	99.48	98.90	99.00	100.00	100.00	
84 m.p.h.	99.26	100.00	99.17	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
89 m.p.h.	99.63	100.00	99.59	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
No. of vehicles obs.	142	118	122	98	20	68	102	43	55	25	47	
Average speed	57.29	59.19	57.39	59.01	60.10	55.97	57.34	56.00	57.42	55.92	57.26	
No. of vehicles obs.	129	120	119	94	26	82	90	48	45	34	45	
Average speed	56.40	55.27	56.50	54.94	55.20	55.34	54.86	55.37	53.62	55.29	56.09	
All Vehicles												
Bnd												

TABLE 19 SPEED DATA

Station 2L-91 Highway S.R. 43 Location 2 Mi. South of Chalmers Weather Overcast
 No. of Lanes 2 Type of Surface Asphalt Last Previous Observation (Speed Report No. 97)
 This Observation
 Date 8-5-76
 Time 2:14 - 4:44 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All			Indiana			Non-Indiana			All		
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
No. of vehicles obs.		2.89		2.58		31		143		75		68
Ave. speed (m.p.h.)		57.01		56.86		58.26		55.14		55.08		55.21
Standard deviation		6.185		6.220		5.831		6.292		6.756		5.786
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.35		0.39		0.0		0.0		0.0		0.0
34 m.p.h.		0.35		0.39		0.0		0.0		0.0		0.0
39 m.p.h.		1.04		1.16		0.0		0.0		0.0		0.0
44 m.p.h.		2.77		3.10		0.0		2.10		2.67		1.47
49 m.p.h.		7.96		8.14		6.45		16.78		20.00		13.24
54 m.p.h.		29.41		29.46		29.03		46.15		45.33		47.06
59 m.p.h.		69.90		70.54		64.52		76.22		76.00		76.47
64 m.p.h.		91.35		92.25		83.87		94.41		93.33		95.59
69 m.p.h.		96.89		96.90		96.77		97.20		96.00		98.53
74 m.p.h.		98.62		98.45		100.00		99.30		98.67		100.00
79 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
84 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
89 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
No. of vehicles obs.		150		132		18		69		36		33
Average speed		56.63		56.55		57.22		55.13		54.22		56.12
No. of vehicles obs.		139		126		13		74		39		35
Average speed		57.42		57.19		59.69		55.15		55.87		54.34

All Vehicles

End

End

TABLE 20 SPEED DATA

Station 2L-79 Highway S.R. 25 Location 0.7 Mi. South of Americus Weather Clear
 No. of Lanes 2 Type of Surface Asphalt
 This Observation Last Previous Observation (Speed Report No. 97)
 Date 8-26-76 Date _____
 Time 8:05 - 10:30 PM (Night) Time _____

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
No. of vehicles obs.		387		387		0.0		82		61		21
Ave. speed (m.p.h.)		54.79		54.79		0.0		52.30		52.57		51.52
Standard deviation		5.919		5.919		0.0		5.356		5.359		5.400
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.78		0.78		0.0		1.22		1.64		0.0
44 m.p.h.		2.07		2.07		0.0		8.54		6.56		14.29
49 m.p.h.		14.73		14.73		0.0		25.61		24.59		28.57
54 m.p.h.		50.65		50.65		0.0		70.73		70.49		71.43
59 m.p.h.		86.05		86.05		0.0		90.24		88.52		95.24
64 m.p.h.		94.83		94.83		0.0		98.78		98.36		100.00
69 m.p.h.		97.42		97.42		0.0		100.00		100.00		100.00
74 m.p.h.		98.45		98.45		0.0		100.00		100.00		100.00
79 m.p.h.		99.48		99.48		0.0		100.00		100.00		100.00
84 m.p.h.		100.00		100.00		0.0		100.00		100.00		100.00
89 m.p.h.		100.00		100.00		0.0		100.00		100.00		100.00
No. of vehicles obs.		225		225		0.0		38		23		15
Average speed		54.50		54.50		0.0		52.34		52.39		52.27
No. of vehicles obs.		162		162		0		44		38		6
Average speed		55.19		55.19		0.0		52.27		52.68		49.67
All Vehicles												
Bnd												
Bnd												

TABLE 21 SPEED DATA

Station 2L-27 Highway U.S. 35 Location West of Gas City and 1.4 Miles West of S.R. 37
 No. of Lanes 2 Type of Surface Asphalt Weather Clear
 This Observation Last Previous Observation (Speed Report No. 97)
 Date 8-12-76 Date _____
 Time 12:25 - 3:10 PM Time _____

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
No. of vehicles obs.		272		220		52		157		77		80
Ave. speed (m.p.h.)		58.36		58.09		59.52		57.09		57.40		56.79
Standard deviation		6.031		6.037		5.926		5.603		5.604		5.620
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
44 m.p.h.		0.37		0.45		0.0		3.18		1.30		5.00
49 m.p.h.		5.15		5.91		1.92		10.19		11.69		8.75
54 m.p.h.		24.26		25.00		21.15		31.21		29.87		32.50
59 m.p.h.		64.34		67.23		50.00		66.24		67.53		65.00
64 m.p.h.		86.40		86.82		84.62		91.08		89.61		92.50
69 m.p.h.		95.59		95.91		94.23		99.36		98.70		100.00
74 m.p.h.		94.73		97.27		98.08		100.00		100.00		100.00
79 m.p.h.		99.63		99.55		100.00		100.00		100.00		100.00
84 m.p.h.		99.63		99.55		100.00		100.00		100.00		100.00
89 m.p.h.		100.00		100.00		100.00		100.00		100.00		100.00
No. of vehicles obs.		134		103		31		78		42		36
Average speed		58.98		58.85		59.39		58.77		58.88		58.64
No. of vehicles obs.		138		117		21		79		35		44
Average speed		57.76		57.41		59.71		55.43		55.63		55.27

TABLE 22 SPEED DATA

Station 2L-60 Highway S.R. 67 Location 1.1 Miles west of Owen-Morgan County Line
 No. of Lanes 2 Type of Surface Asphalt Weather Cloudy
 This Observation Last Previous Observation (Speed Report No. 97)
 Date 8-4-76 Date _____
 Time 3:00 - 5:25 PM Time _____

	PASSENGER CARS				TRUCKS			
	All		Indiana		Non-Indiana		All	
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
OBSERVATION								
No. of vehicles obs.		294		266		28		171
Ave. speed (m.p.h.)		56.94		56.64		59.61		56.04
Standard deviation		5.748		5.391		8.066		5.721
24 m.p.h.		0.00		0.00		0.00		0.00
29 m.p.h.		0.00		0.00		0.00		0.00
34 m.p.h.		0.00		0.00		0.00		0.00
39 m.p.h.		0.00		0.00		0.00		0.00
44 m.p.h.		1.36		1.50		0.00		0.00
49 m.p.h.		9.52		10.15		3.57		14.04
54 m.p.h.		31.63		31.58		32.14		41.32
59 m.p.h.		70.07		71.05		60.71		73.10
64 m.p.h.		91.84		93.23		78.57		94.15
69 m.p.h.		97.96		98.87		89.29		99.42
74 m.p.h.		99.66		100.00		96.43		99.42
79 m.p.h.		99.66		100.00		96.43		100.00
84 m.p.h.		99.66		100.00		96.43		100.00
89 m.p.h.		100.00		100.00		100.00		100.00
No. of vehicles obs.		132		121		11		93
Average speed		56.30		56.00		59.64		55.98
No. of vehicles obs.		162		145		17		78
Average speed		57.45		57.20		59.59		55.86
All Vehicles								
No. of vehicles obs.								
Average speed								
No. of vehicles obs.								
Average speed								

TABLE 23 SPEED DATA

Station 2L-68 Highway S.R. 32 Location 2.9 Mi. West of Winchester Weather Clear-Hazy

No. of Lanes 2 Type of Surface Asphalt Last Previous Observation (Speed Report No. 97)

This Observation
Date 8-11-76
Time 9:45 AM - 12:40 PM

	OBSERVATION	PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
All Vehicles	No. of vehicles obs.		292		264		28		129		69		60
	Ave. speed (m.p.h.)		56.28		56.10		58.04		54.31		54.20		54.43
	Standard deviation		5.248		5.169		5.751		6.108		6.128		6.135
	24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	34 m.p.h.		0.34		0.38		0.0		0.0		0.0		0.0
	39 m.p.h.		0.34		0.38		0.0		2.33		1.45		3.33
	44 m.p.h.		1.37		1.52		0.0		7.75		7.25		8.33
	49 m.p.h.		7.88		8.33		3.57		17.05		20.29		13.33
	54 m.p.h.		34.93		36.36		21.43		44.96		44.93		45.00
	59 m.p.h.		80.48		81.44		71.43		82.17		81.16		83.33
	64 m.p.h.		93.49		94.32		85.71		96.90		97.10		96.67
	69 m.p.h.		97.95		98.11		96.43		100.0		100.0		100.0
Bnd	74 m.p.h.		99.32		99.24		100.0		100.0		100.0		100.0
	79 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
	84 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
	89 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
	No. of vehicles obs.		148		136		12		62		33		29
Bnd	Average speed		56.41		56.36		56.92		53.69		53.24		54.21
	No. of vehicles obs.		144		128		16		67		36		31
Bnd	Average speed		56.16		55.82		58.88		54.88		55.08		54.65

TABLE 24 SPEED DATA

Station 2L-69 Highway U.S. 50 Location 3.7 Mi. West of Versailles Weather Clear

No. of Lanes _____ Type of Surface Asphalt

This Observation _____ Last Previous Observation (Speed Report No. 97) _____

Date 8-10-76 Date _____

Time 10:45 AM - 2:20 PM Time _____

		PASSENGER CARS				TRUCKS			
		All	Indiana		Non-Indiana	All	<5000 lbs.		>5000 lbs.
OBSERVATION		Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
No. of vehicles obs.		252		207		45	168	96	72
Ave. speed (m.p.h.)		57.06		57.28		56.07	56.67	57.36	55.74
Standard deviation		5.690		5.636		5.895	6.896	7.627	5.699
24 m.p.h.		0.0		0.0		0.0	0.0	0.0	0.0
29 m.p.h.		0.0		0.0		0.0	0.0	0.0	0.0
34 m.p.h.		0.0		0.0		0.0	0.0	0.0	0.0
39 m.p.h.		0.0		0.0		0.0	0.0	0.0	0.0
44 m.p.h.		1.59		1.45		2.22	2.38	2.08	2.78
49 m.p.h.		9.52		8.70		13.33	10.71	8.33	13.89
54 m.p.h.		33.75		31.88		42.22	35.12	31.25	40.28
59 m.p.h.		71.03		71.50		68.89	75.00	76.04	73.61
64 m.p.h.		90.87		90.34		93.33	91.67	89.58	94.44
69 m.p.h.		96.43		96.14		97.78	95.83	93.75	98.61
74 m.p.h.		99.60		99.52		100.0	98.21	96.88	100.0
79 m.p.h.		100.0		100.0		100.0	98.81	97.92	100.0
84 m.p.h.		100.0		100.0		100.0	98.81	97.92	100.0
89 m.p.h.		100.0		100.0		100.0	100.0	100.0	100.0
No. of vehicles obs.		119		101		18	91	53	38
Average speed		57.30		57.42		56.67	56.55	57.15	55.71
No. of vehicles obs.		133		106		27	77	43	34
Average speed		56.84		57.14		55.67	56.81	57.63	55.76

All Vehicles

All Trucks

All Trucks

TABLE 25 SPEED DATA

Station UI-6 Highway I-65 Location East of White River Bridge Weather Clear
 No. of Lanes 4 Type of Surface Portland Cement Concrete
 This Observation Last Previous Observation (Speed Report No. 97)
 Date 8-19-76 Date 6-17-76
 Time 2:00 - 3:45 PM Time 10:22 - 12:20 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	350	326	302	265	48	61	95	111	42	61	53	50
Ave. speed (m.p.h.)	57.83	58.97	57.81	58.88	57.96	59.34	55.33	58.01	56.69	58.75	54.25	57.10
Standard deviation	5.032	4.905	5.093	5.167	4.681	3.563	6.594	5.425	6.059	5.415	6.853	5.350
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	2.11	0.0	0.0	0.0	3.77	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	2.11	0.0	0.0	0.0	3.77	0.0
44 m.p.h.	0.86	0.0	0.99	0.0	0.0	0.0	8.42	0.90	7.14	0.0	9.43	2.00
49 m.p.h.	4.00	2.45	4.30	3.02	2.08	0.0	14.74	5.41	11.90	4.92	16.98	6.00
54 m.p.h.	22.57	15.34	21.52	16.98	29.17	8.20	41.05	22.52	33.33	19.67	47.17	26.00
59 m.p.h.	66.29	57.67	66.23	58.87	66.67	52.46	72.63	60.36	66.67	52.46	77.36	70.00
64 m.p.h.	91.71	87.12	91.72	86.04	91.97	91.80	95.79	86.49	90.48	81.97	100.0	92.00
69 m.p.h.	98.86	97.24	98.68	96.98	100.0	98.36	100.0	99.10	100.0	100.0	100.0	98.00
74 m.p.h.	99.43	99.08	99.34	98.87	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.		162	152	135	27	27	49	48	23	23	26	25
Average speed	57.67	57.41	57.61	57.39	58.00	57.56	54.55	56.52	55.96	56.57	53.31	56.48
No. of vehicles obs.	171	164	150	130	21	34	46	63	19	38	27	25
Average speed	57.99	60.51	58.01	60.44	57.90	60.76	56.15	59.14	57.58	60.08	55.15	57.72

All Vehicles

End

TABLE 26 SPEED DATA

Station UI-1 Highway I-94 Location First Bridge East of Burr Interchange Weather Sunny - Hot
 No. of Lanes 6 Type of Surface Concrete Last Previous Observation (Speed Report No. 97)
 This Observation
 Date 7-15-76
 Time 8:40 - 10:20 AM

	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
OBSERVATION												
No. of vehicles obs.		264		131		133		159		69		90
Ave. speed (m.p.h.)		57.23		56.52		57.94		56.78		56.39		57.08
Standard deviation		4.846		5.107		4.484		4.608		5.443		3.855
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.38		2.76		0.0		0.0		0.0		0.0
44 m.p.h.		1.89		3.05		0.75		1.26		1.45		1.11
49 m.p.h.		5.68		7.63		3.76		8.81		14.49		4.44
54 m.p.h.		25.76		32.06		19.55		25.79		31.88		21.11
59 m.p.h.		67.42		74.05		60.90		77.36		72.46		81.11
64 m.p.h.		95.83		96.18		95.49		96.86		95.65		97.78
69 m.p.h.		99.62		99.24		100.0		100.0		100.0		100.0
74 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
79 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
84 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
89 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
No. of vehicles obs.		133		52		81		78		25		53
Average speed		57.53		57.12		57.80		57.12		56.64		57.34
No. of vehicles obs.		131		79		52		81		44		37
Average speed		56.93		56.13		58.15		56.46		56.25		56.70
All Vehicles												

TABLE 27 SPEED DATA

Station UI-5 Highway I-465 Location At Bridge of Township Line Road
 No. of Lanes 6 Type of Surface Concrete Weather Clear

This Observation Last Previous Observation (Speed Report No. 97)
 Date 8-19-76 Date _____
 Time 10:55 AM - 12:30 PM Time _____

	OBSERVATION	PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
All Vehicles	No. of vehicles obs.		235		164		71		210		69		141
	Ave. speed (m.p.h.)		59.26		59.35		59.03		58.39		58.43		58.37
	Standard deviation		4.325		4.561		3.742		4.693		4.153		4.950
	24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	39 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	44 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
	49 m.p.h.		0.0		0.0		0.0		0.48		0.0		0.71
	54 m.p.h.		1.70		1.83		1.41		3.33		1.45		4.26
	59 m.p.h.		11.06		11.59		9.86		18.57		14.49		20.57
	64 m.p.h.		57.02		59.15		52.11		63.81		65.22		63.12
	69 m.p.h.		89.36		88.41		91.55		91.43		91.30		91.49
	74 m.p.h.		98.30		97.56		100.0		98.57		98.55		98.58
Bnd	No. of vehicles obs.		106		73		33		105		40		65
	Average speed		59.75		59.53		60.21		58.22		57.97		59.37
	No. of vehicles obs.		129		91		38		105		29		76
	Average speed		58.85		59.21		58.00		58.56		59.07		58.37

TABLE 28 SPEED DATA

Station UI-2 Highway I-65 Location 7.5 Mi. North of U.S. 30 Weather Cloudy
 No. of Lanes 4 Type of Surface Concrete Last Previous Observation (Speed Report No. 97)
 This Observation
 Date 7-15-76
 Time 11:23 AM - 2:50 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All			Indiana			Non-Indiana			All		
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
No. of vehicles obs.		282		182		100		138		39		99
Ave. speed (m.p.h.)		58.24		57.97		58.75		56.32		57.26		55.95
Standard deviation		5.650		5.847		5.264		5.604		5.946		5.450
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.35		0.55		0.0		0.72		2.56		0.0
44 m.p.h.		0.71		1.10		0.0		2.90		2.56		3.03
49 m.p.h.		4.96		5.49		4.00		8.70		7.69		9.09
54 m.p.h.		21.99		23.08		20.00		39.86		28.21		44.44
59 m.p.h.		56.38		59.34		51.00		73.19		61.54		77.78
64 m.p.h.		91.13		92.82		88.00		92.75		92.31		92.93
69 m.p.h.		97.87		98.35		97.00		98.55		97.44		98.99
74 m.p.h.		98.94		98.90		99.00		100.0		100.0		100.0
79 m.p.h.		99.29		98.90		100.0		100.0		100.0		100.0
84 m.p.h.		99.65		99.45		100.0		100.0		100.0		100.0
89 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
No. of vehicles obs.		139		91		48		71		19		52
Average speed		59.92		59.38		60.94		58.24		58.47		58.15
No. of vehicles obs.		143		91		52		67		20		47
Average speed		56.62		56.55		56.73		54.28		56.10		53.51

TABLE 29 SPEED DATA

Station _____ Highway Interstate, Rural Location See Individual Stations

No. of Lanes _____ Type of Surface _____ Weather _____

This Observation _____

Last Previous Observation (Speed Report No. 97.) _____

Date July - Sept. 1976 _____

Date April - June 1976 _____

Time _____

Time _____

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.		2178		1311		867		1235		397		838
Ave. speed (m.p.h.)		59.76		59.49		60.17		58.41		58.47		58.38
Standard deviation		4.918		4.911		4.904		4.774		4.930		4.701
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
44 m.p.h.		0.23		0.31		0.12		0.08		0.25		0.00
49 m.p.h.		1.61		1.83		1.27		2.91		3.02		2.86
54 m.p.h.		12.63		13.50		11.30		20.32		18.64		21.12
59 m.p.h.		50.09		52.56		46.37		61.38		63.22		60.50
64 m.p.h.		83.79		85.35		81.43		89.96		89.92		89.98
69 m.p.h.		96.92		97.10		96.66		98.46		97.48		98.93
74 m.p.h.		99.40		99.47		99.31		99.68		99.50		99.76
79 m.p.h.		99.91		99.85		100.0		100.0		100.0		100.0
84 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
89 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
% of vehicles traveling at or less than												
All Vehicles												

TABLE 30 SPEED DATA

Station _____ Highway 4-Lane, Rural _____ Location See Individual Stations _____ Weather _____

No. of Lanes _____ Type of Surface _____

This Observation _____ Last Previous Observation (Speed Report No. 97) _____

Date July - September 1976 Date April - June 1976

Time _____ Time _____

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
No. of vehicles obs.		2055		1655		400		1167		510		657
Ave. speed (m.p.h.)		57.32		57.19		57.82		56.76		56.93		56.64
Standard deviation		5.338		5.415		4.983		5.741		5.687		5.783
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.05		0.06		0.0		0.26		0.0		0.46
39 m.p.h.		0.34		0.30		0.50		1.11		0.78		1.37
44 m.p.h.		1.70		1.99		0.50		2.91		3.33		2.59
49 m.p.h.		6.08		6.47		4.50		8.57		7.45		9.44
54 m.p.h.		26.81		27.73		23.00		30.76		29.41		31.81
59 m.p.h.		69.25		70.21		65.25		69.15		70.98		67.73
64 m.p.h.		91.97		91.84		92.50		92.37		90.59		93.76
69 m.p.h.		98.30		98.37		98.00		99.49		99.22		99.70
74 m.p.h.		99.71		99.70		99.75		99.91		99.80		100.0
79 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
84 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
89 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
All Vehicles												
% of vehicles traveling at or less than												

TABLE 31 SPEED DATA

Station _____	Highway 2-Lane, Rural _____	Location See Individual Stations _____	Weather _____
No. of Lanes _____	Type of Surface _____		
This Observation _____		Last Previous Observation (Speed Report No. 97) _____	
Date July - September 1976 _____		Date April - June 1976 _____	
Time _____		Time _____	

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.		2305		2015		290		1209		663		546
Ave. speed (m.p.h.)		56.62		56.44		57.81		55.55		55.64		55.44
Standard deviation		5.791		5.730		6.072		6.195		6.583		5.691
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.04		0.05		0.0		0.0		0.0		0.0
34 m.p.h.		0.13		0.10		0.34		0.0		0.0		0.0
39 m.p.h.		0.39		0.40		0.34		0.66		0.75		0.55
44 m.p.h.		1.52		1.59		1.03		3.80		3.32		4.40
49 m.p.h.		9.02		9.58		5.17		14.39		15.08		13.55
54 m.p.h.		34.79		35.53		29.66		42.02		42.53		41.39
59 m.p.h.		74.32		75.58		65.52		77.42		78.13		76.56
64 m.p.h.		92.06		92.66		87.93		93.96		93.21		94.87
69 m.p.h.		97.48		97.67		96.21		98.43		97.74		99.27
74 m.p.h.		99.00		98.96		99.31		99.34		98.79		100.0
79 m.p.h.		99.83		99.85		99.66		99.67		99.40		100.0
84 m.p.h.		99.91		99.95		99.66		99.75		99.55		100.0
89 m.p.h.		100.0		100.0		100.0		99.92		99.85		100.0
% of vehicles traveling at or less than												
All Vehicles												

TABLE 32 SPEED DATA

Station _____ Highway _____ Urban, Interstate _____ Location _____ See Individual Stations _____

No. of Lanes _____ Type of Surface _____ Weather _____

This Observation _____ Last Previous Observation (Speed Report No. 97 _____)

Date _____ July - September 1976 _____ Date _____ April - June 1976 _____

Time _____ Time _____

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.		1107		742		365		618		238		380
Ave. speed (m.p.h.)		58.43		58.35		58.61		57.44		57.73		57.27
Standard deviation		5.030		5.288		4.461		5.087		5.245		4.984
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
34 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
39 m.p.h.		0.18		0.27		0.0		0.16		0.42		0.0
44 m.p.h.		0.63		0.81		0.27		1.29		0.84		1.58
49 m.p.h.		3.70		4.18		2.74		6.31		7.14		5.79
54 m.p.h.		18.61		19.95		15.89		25.89		23.11		27.63
59 m.p.h.		59.53		61.73		55.07		68.77		63.45		72.11
64 m.p.h.		90.70		90.03		92.05		92.23		90.34		93.42
69 m.p.h.		98.19		97.84		98.90		99.03		99.16		98.95
74 m.p.h.		99.37		99.19		99.73		99.84		100.0		99.74
79 m.p.h.		99.73		99.60		100.0		100.0		100.0		100.0
84 m.p.h.		99.91		99.87		100.0		100.0		100.0		100.0
89 m.p.h.		100.0		100.0		100.0		100.0		100.0		100.0
All Vehicles												
% of vehicles traveling at or less than												

TABLE 33 SPEED DATA

Station _____ Highway Indiana System _____ Location See Individual Stations _____ Weather _____
 No. of Lanes _____ Type of Surface _____
 This Observation _____ Last Previous Observation (Speed Report No. 97)
 Date July - September 1976 Date April - June 1976
 Time _____ Time _____

	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
OBSERVATION												
No. of vehicles obs.		7645		5723		1922		4229		1808		2421
Ave. speed (m.p.h.)		57.96		57.60		59.03		57.00		56.90		57.07
Standard deviation		5.470		5.530		5.145		5.631		5.928		5.399
24 m.p.h.		0.0		0.0		0.0		0.0		0.0		0.0
29 m.p.h.		0.01		0.02		0.0		0.0		0.0		0.0
34 m.p.h.		0.05		0.05		0.05		0.07		0.0		0.12
39 m.p.h.		0.24		0.26		0.16		0.52		0.55		0.50
44 m.p.h.		1.07		1.31		0.36		2.10		2.32		1.94
49 m.p.h.		5.35		6.20		2.81		8.25		9.24		7.52
54 m.p.h.		23.99		26.21		17.38		30.22		31.03		29.62
59 m.p.h.		63.91		66.96		54.84		69.19		70.91		67.91
64 m.p.h.		89.48		90.41		86.73		92.10		91.37		92.65
69 m.p.h.		97.65		97.76		97.29		98.82		98.29		99.22
74 m.p.h.		99.36		99.32		99.48		99.67		99.39		99.88
79 m.p.h.		99.88		99.86		99.95		99.91		99.78		100.0
84 m.p.h.		99.96		99.97		99.95		99.93		99.83		100.0
89 m.p.h.		100.0		100.0		100.0		99.98		99.94		100.0
% of vehicles traveling at or less than												
All Vehicles												

TABLE 34

Monitoring of Speed
(Statistical Summary)☒ Quarterly Report--Calendar Quarter Ending Sept. 30, 1976

or

☐ Annual Report--Year Ending _____STATE Indiana

	Miles	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	218	4	1725	5.0	58.1	57.6	62.3	74	29	6
Interstate Rural	849	8	3413	13.1	59.3	58.5	63.7	79	37	10
Multi-lane, Divided	657	8	3222	22.9	57.1	56.7	61.7	65	25	6
Multi-lane, Undivided										
2-Lane, Rural	8030	8	3514	21.7	56.3	55.6	61.2	55	20	6
State Total	9754	28	11874	62.7	57.6	57.1	62.4	67	28	7

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Urban

STATION NUMBER UI-2 LOCATION I-65; .75 miles north of U.S. 30

NUMBER OF SESSIONS 1 DATES 7/15/76 VEHICLES MEASURED 420

AVERAGE SPEED (MPH) 57.6 STANDARD DEVIATION (MPH) 5.7

MEDIAN SPEED (MPH) 57.2 85TH PERCENTILE SPEED (MPH) 62.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 66 60 MPH: 29 65 MPH: 6

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Urban
 STATION NUMBER UI-6 LOCATION I-65, east of White River Bridge
 NUMBER OF SESSIONS 1 DATES 8/19/76 VEHICLES MEASURED 437
 AVERAGE SPEED (MPH) 58.7 STANDARD DEVIATION (MPH) 5.1
 MEDIAN SPEED (MPH) 57.9 85TH PERCENTILE SPEED (MPH) 63.0
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH: 80 60 MPH: 33 65 MPH: 10

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Urban
 STATION NUMBER UI-1 LOCATION I-94*
 NUMBER OF SESSIONS 1 DATES 7/15/76 VEHICLES MEASURED 423
 AVERAGE SPEED (MPH) 57.1 STANDARD DEVIATION (MPH) 4.8
 MEDIAN SPEED (MPH) 56.8 85TH PERCENTILE SPEED (MPH) 61.4
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH: 68 60 MPH: 22 65 MPH: 3

*EB: 1st bridge east of Burr Interchange.

WB: 1st bridge west of Burr Interchange.

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Urban

STATION NUMBER UI-5 LOCATION I-465, at bridge, Township Line Rd.

NUMBER OF SESSIONS 1 DATES 8/19/76 VEHICLES MEASURED 445

AVERAGE SPEED (MPH) 58.9 STANDARD DEVIATION (MPH) 4.5

MEDIAN SPEED (MPH) 58.0 85TH PERCENTILE SPEED (MPH) 62.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 81 60 MPH: 31 65 MPH: 7

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural

STATION NUMBER RI-21 LOCATION I-69, 1st bridge south of jct. with S.R.18

NUMBER OF SESSIONS 1 DATES 8/18/76 VEHICLES MEASURED 427

AVERAGE SPEED (MPH) 59.3 STANDARD DEVIATION (MPH) 4.5

MEDIAN SPEED (MPH) 58.7 85TH PERCENTILE SPEED (MPH) 63.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 79 60 MPH: 38 65 MPH: 8

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural
 STATION NUMBER RI-6 LOCATION I-65*
 NUMBER OF SESSIONS 1 DATES 8/19/76 VEHICLES MEASURED 420
 AVERAGE SPEED (MPH) 57.1 STANDARD DEVIATION (MPH) 4.7
 MEDIAN SPEED (MPH) 56.5 85TH PERCENTILE SPEED (MPH) 61.1
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH: 65 60 MPH: 20 65 MPH: 5

*7.5 miles north of junction with S.R. 160, at rest park.
 both directions were taken at night.

TABLE 41
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural

STATION NUMBER RI-34 LOCATION I-65, South of Lebanon*

NUMBER OF SESSIONS 1 DATES 8/24/76 VEHICLES MEASURED 428

AVERAGE SPEED (MPH) 60.7 STANDARD DEVIATION (MPH) 4.5

MEDIAN SPEED (MPH) 59.6 85TH PERCENTILE SPEED (MPH) 64.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 89 60 MPH: 46 65 MPH: 14

*NB: at Co. Rd. 300S.

SB: 1st small bridge south of S.R. 39.

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	Interstate, Rural		
STATION NUMBER	RI-12	LOCATION	I-74*
NUMBER OF SESSIONS	1	DATES	8/26/76
		VEHICLES MEASURED	431
AVERAGE SPEED (MPH)	59.1	STANDARD DEVIATION (MPH)	4.8
MEDIAN SPEED (MPH)	58.6	85TH PERCENTILE SPEED (MPH)	63.2
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH:	78	60 MPH:	38
		65 MPH:	9

*at bridge near London, .1 miles west of mile marker 109.

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural
 STATION NUMBER RI-1 LOCATION I-64*
 NUMBER OF SESSIONS 1 DATES 8/2/76 VEHICLES MEASURED 420
 AVERAGE SPEED (MPH) 57.6 STANDARD DEVIATION (MPH) 4.7
 MEDIAN SPEED (MPH) 56.7 85TH PERCENTILE SPEED (MPH) 62.1
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH: 67 60 MPH: 24 65 MPH: 5

*EB: .25 miles west of mile marker 21.

WB: .2 miles east of mile marker 20 at Owensville Rd. Bridge.

TABLE 44
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural

STATION NUMBER RI-15 LOCATION I-70*

NUMBER OF SESSIONS 1 DATES 8/23/76 VEHICLES MEASURED 434

AVERAGE SPEED (MPH) 60.3 STANDARD DEVIATION (MPH) 4.8

MEDIAN SPEED (MPH) 59.7 85TH PERCENTILE SPEED (MPH) 64.9

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 86 60 MPH: 46 65 MPH: 15

*EB: 2.2 miles west of S.R. 39.
WB: near mile marker 64.

TABLE 45

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural
 STATION NUMBER RI-31 LOCATION I-65*
 NUMBER OF SESSIONS 1 DATES 8/27/76 VEHICLES MEASURED 433
 AVERAGE SPEED (MPH) 60.2 STANDARD DEVIATION (MPH) 5.1
 MEDIAN SPEED (MPH) 59.5 85TH PERCENTILE SPEED (MPH) 64.8
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH: 84 60 MPH: 44 65 MPH: 14

*NB: at Co. Rd. bridge 1800S.

SB: at Co. Rd. bridge 1100W.

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	Interstate, Rural		
STATION NUMBER	RI-37	LOCATION	I-70, at Ripley Road overpass
NUMBER OF SESSIONS	1	DATES	8/4/76
		VEHICLES MEASURED	420
AVERAGE SPEED (MPH)	59.8	STANDARD DEVIATION (MPH)	4.9
MEDIAN SPEED (MPH)	58.9	85TH PERCENTILE SPEED (MPH)	64.4
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH:	83	60 MPH:	41
		65 MPH:	12

TABLE 47

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 41-32 LOCATION U.S.30*

NUMBER OF SESSIONS 1 DATES 7/14/76 VEHICLES MEASURED 421

AVERAGE SPEED (MPH) 56.1 STANDARD DEVIATION (MPH) 5.3

MEDIAN SPEED (MPH) 55.4 85TH PERCENTILE SPEED (MPH) 60.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 54 60 MPH: 19 65 MPH: 5

*EB: 3.7 miles east of Co. Rd. 400E at rest park.

WB: 1.2 miles west of Co. Rd. 400E.

TABLE 48

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 4L-17 LOCATION U.S. 52, near Klondike*

NUMBER OF SESSIONS 1 DATES 8/27/76 VEHICLES MEASURED 472

AVERAGE SPEED (MPH) 56.9 STANDARD DEVIATION (MPH) 5.8

MEDIAN SPEED (MPH) 56.4 85TH PERCENTILE SPEED (MPH) 62.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 61 60 MPH: 25 65 MPH: 6

*EB: 30 yds. east of Co. Rd. 475W.

WB: .25 miles east of Co. Rd. 475W.

TABLE 49

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)
STATION NUMBER 4L-21 LOCATION U.S. 31, 1.2 miles south of jct. with S.R. 38
NUMBER OF SESSIONS 1 DATES 8/24/76 VEHICLES MEASURED 430
AVERAGE SPEED (MPH) 57.6 STANDARD DEVIATION (MPH) 4.8
MEDIAN SPEED (MPH) 57.1 85TH PERCENTILE SPEED (MPH) 61.6
PERCENTAGE OF VEHICLES EXCEEDING:
55 MPH: 70 60 MPH: 24 65 MPH: 7

TABLE 50
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)
 STATION NUMBER 4L-20 LOCATION U.S. 41, 1.0 mile north of S.R. 2
 NUMBER OF SESSIONS 1 DATES 7/14/76 VEHICLES MEASURED 440
 AVERAGE SPEED (MPH) 55.5 STANDARD DEVIATION (MPH) 6.5
 MEDIAN SPEED (MPH) 55.2 85TH PERCENTILE SPEED (MPH) 61.0
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH: 51 60 MPH: 19 65 MPH: 5

TABLE 51
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)
 STATION NUMBER 4L-3 LOCATION U.S. 41, near Carlisle*
 NUMBER OF SESSIONS 1 DATES 8/3/76 VEHICLES MEASURED 423
 AVERAGE SPEED (MPH) 57.9 STANDARD DEVIATION (MPH) 4.7
 MEDIAN SPEED (MPH) 57.3 85TH PERCENTILE SPEED (MPH) 62.0
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH: 72 60 MPH: 27 65 MPH: 5

*NB: 4.2 miles south of junction with U.S. 41 & S.R. 58.
 SB: 4.65 miles south of junction with U.S. 41 & S.R. 54.

TABLE 52
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 4L-15 LOCATION U.S. 40, West of Richmond*

NUMBER OF SESSIONS 1 DATES 8/11/76 VEHICLES MEASURED 147

AVERAGE SPEED (MPH) 53.6 STANDARD DEVIATION (MPH) 7.3

MEDIAN SPEED (MPH) 53.4 85TH PERCENTILE SPEED (MPH) 59.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 40 60 MPH: 14 65 MPH: 5

*EB: at Garr Nursery.
WB: at Hillside Nursery.
both directions were taken at night.

TABLE 53
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 4L-25 LOCATION U.S. 31*

NUMBER OF SESSIONS 1 DATES 8/16/76 VEHICLES MEASURED 446

AVERAGE SPEED (MPH) 57.6 STANDARD DEVIATION (MPH) 4.8

MEDIAN SPEED (MPH) 56.8 85TH PERCENTILE SPEED (MPH) 61.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 70 60 MPH: 25 65 MPH: 6

*NB: 1.3 miles south of Lakeville.

SB: 2.7 miles south of Lakeville.

TABLE 54
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 4L-30 LOCATION U.S. 30, 7.5 miles east of U.S. 31 North

NUMBER OF SESSIONS 1 DATES 8/17/76 VEHICLES MEASURED 443

AVERAGE SPEED (MPH) 59.4 STANDARD DEVIATION (MPH) 4.2

MEDIAN SPEED (MPH) 58.3 85TH PERCENTILE SPEED (MPH) 63.0

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 85 60 MPH: 36 65 MPH: 9

TABLE 55
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural
STATION NUMBER 2L-18 LOCATION U.S. 35, 1.5 miles east of jct. with I-69.
NUMBER OF SESSIONS 1 DATES 8/18/76 VEHICLES MEASURED 448
AVERAGE SPEED (MPH) 55.6 STANDARD DEVIATION (MPH) 5.7
MEDIAN SPEED (MPH) 55.1 85TH PERCENTILE SPEED (MPH) 60.1
PERCENTAGE OF VEHICLES EXCEEDING:
55 MPH: 51 60 MPH: 16 65 MPH: 4

TABLE 56

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-54 LOCATION U.S. 231, 1 mile south of jct. with S.R. 234

NUMBER OF SESSIONS 1 DATES 8/13/76 VEHICLES MEASURED 430

AVERAGE SPEED (MPH) 56.8 STANDARD DEVIATION (MPH) 5.7

MEDIAN SPEED (MPH) 56.3 85TH PERCENTILE SPEED (MPH) 61.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 61 60 MPH: 21 65 MPH: 6

TABLE 57
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-91 LOCATION S.R. 43, 2 miles south of Chalmers

NUMBER OF SESSIONS 1 DATES 8/5/76 VEHICLES MEASURED 432

AVERAGE SPEED (MPH) 56.4 STANDARD DEVIATION (MPH) 6.3

MEDIAN SPEED (MPH) 55.6 85TH PERCENTILE SPEED (MPH) 61.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 55 60 MPH: 23 65 MPH: 6

TABLE 58

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-79 LOCATION S.R. 25, .7 miles south west of Americus

NUMBER OF SESSIONS 1 DATES 8/26/76 VEHICLES MEASURED 469

AVERAGE SPEED (MPH) 54.4 STANDARD DEVIATION (MPH) 5.9

MEDIAN SPEED (MPH) 53.6 85TH PERCENTILE SPEED (MPH) 58.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 37 60 MPH: 11 65 MPH: 3

TABLE 59

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-27 LOCATION U.S. 35, west of Gas City, 1.4 miles west of S.R. 37

NUMBER OF SESSIONS 1 DATES 8/12/76 VEHICLES MEASURED 429

AVERAGE SPEED (MPH) 57.9 STANDARD DEVIATION (MPH) 5.9

MEDIAN SPEED (MPH) 57.0 85TH PERCENTILE SPEED (MPH) 63.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 68 60 MPH: 30 65 MPH: 9

TABLE 60
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	<u>Two-Lane, Rural</u>		
STATION NUMBER	<u>2L-60</u>	LOCATION	<u>S.R. 67, 1.1 mile west of Owen Co.-Morgan Co. Line</u>
NUMBER OF SESSIONS	<u>1</u>	DATES	<u>8/4/76</u> VEHICLES MEASURED <u>465</u>
AVERAGE SPEED (MPH)	<u>56.6</u>	STANDARD DEVIATION (MPH)	<u>5.7</u>
MEDIAN SPEED (MPH)	<u>56.1</u>	85TH PERCENTILE SPEED (MPH)	<u>61.6</u>
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH:	<u>56</u>	60 MPH:	<u>23</u> 65 MPH: <u>6</u>

TABLE 61
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	<u>Two-Lane, Rural</u>		
STATION NUMBER	<u>21-68</u>	LOCATION	<u>S.R. 32, 2.9 miles west of Winchester</u>
NUMBER OF SESSIONS	<u>1</u>	DATES	<u>8/11/76</u> VEHICLES MEASURED <u>421</u>
AVERAGE SPEED (MPH)	<u>55.7</u>	STANDARD DEVIATION (MPH)	<u>5.6</u>
MEDIAN SPEED (MPH)	<u>55.1</u>	85TH PERCENTILE SPEED (MPH)	<u>60.0</u>
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH:	<u>51</u>	60 MPH:	<u>15</u> 65 MPH: <u>5</u>

TABLE 62
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-69 LOCATION U.S. 50, 3.7 miles west of Versailles

NUMBER OF SESSIONS 1 DATES 8/10/76 VEHICLES MEASURED 420

AVERAGE SPEED (MPH) 56.9 STANDARD DEVIATION (MPH) 6.2

MEDIAN SPEED (MPH) 56.4 85TH PERCENTILE SPEED (MPH) 61.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 59 60 MPH: 22 65 MPH: 8

COVER DESIGN BY ALDO GIORGINI