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TRAFFIC SPEED REPORT NO. 102

TO: J. F. McLaughlin, Director November 8, 1977
Joint Highway Research Project

FROM: H. L. Michael, Associate Director File: 8-3-3
Joint Highway Research Project Project: C-36-10C

The attached Progress Report No. 102 on Traffic Speeds is the report of the July-September 1977 quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. J. R. Mekemson, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data collection was directed by Mr. G. K. Stafford of our staff.

The results indicate that the average speed of passenger cars was similar while that of heavy trucks was 1.0 mph less than the respective average speeds for the preceding quarterly period.

This Report also serves as the annual study of traffic speeds which have been made during the summer months by JHRC for the last 30+ years. A comparison of the average speeds found in these annual studies for the past ten years is also included.

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,

Harold L. Michael
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Associate Director

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Interim Report
TRAFFIC SPEED REPORT NO. 102

by

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Joint Highway Research Project

Project No.: C-36-10C

File No.: 8-3-3

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Conducted by

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Engineering Experiment Station
Purdue University

in cooperation with the

Indiana State Highway Commission

and the

U. S. Department of Transportation
Federal Highway Administration

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

Purdue University
West Lafayette, Indiana
November 8, 1977

TECHNICAL REPORT STANDARD TITLE PAGE

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| 15. Supplementary Notes Conducted in cooperation with the U. S. Department of Transportation, Federal Highway Administration. Planning Study titled "Speed Trends for Indiana Highways". | | 11. Contract or Grant No. HPR-1(15) Part I |
| 16. Abstract This report is another in the continuing study of speeds of vehicles on Indiana highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the July-September 1977 quarter. | | 13. Type of Report and Period Covered Interim Report July-September 1977 |
| 16. Abstract Analysis of the speeds showed the overall average speed for all vehicles was 57.8 mph. The overall average speed for passenger cars and all trucks was 57.5 mph and 57.0 mph respectively. These overall average speeds were very similar for passenger cars and 1.2 mph slower for trucks to the speeds found in the April-June 1977 study (Speed Report No. 101). | | 14. Sponsoring Agency Code |
| 16. Abstract This report is also the 1977 annual speed study of JHRP and is compared with similar studies made during the summer months for the last ten years. Little change from the summer of 1976 is evident for any type of vehicle on any class of highway. Speeds of passenger cars, however, are significantly less on all classes of highway than speeds during the pre-55 mph limit years. On the other hand, speeds of heavy trucks in 1977 are almost exactly the same as speeds of heavy trucks during the pre-55 mph limit years of 1968-1973. | | |
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TRAFFIC SPEED REPORT NO. 102

This report is an analysis of spot speed observations made during July and August 1977. 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" are used in each quarterly study. The "secondary control stations" are 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-17 (I-70) 1.1 miles west of Wilbur Wright Road and New Lisbon Road, between mile post markers 129 and 130
- RI-37 (I-74) 1.2 miles east of U.S. 41
- RI-19 (I-69) 1.0 mile north of S.R. 13
- RI-14 (I-70) 1.3 miles east of U.S. 231

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-22 (U.S. 31) 2.6 miles south of S.R. 26
- 4L-15 (U.S. 40) 4.4 miles east of S.R. 1
- 4L-33 (S.R. 2) 5.9 miles east of U.S. 20
- 4L-13 (U.S. 31) 1.0 miles north of New Whiteland

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-62 (S.R. 37) 1.4 miles north of S.R. 237
- 2L-41 (S.R. 135) 1.3 miles south of Stone's Crossing
- 2L-47 (U.S. 50) 150 feet west of East County Line, Lawrence and Jackson County.
- 2L-40 (S.R. 7) 2.1 miles north of Queensville

*Primary control stations

**Secondary control stations

Urban Interstate Highways

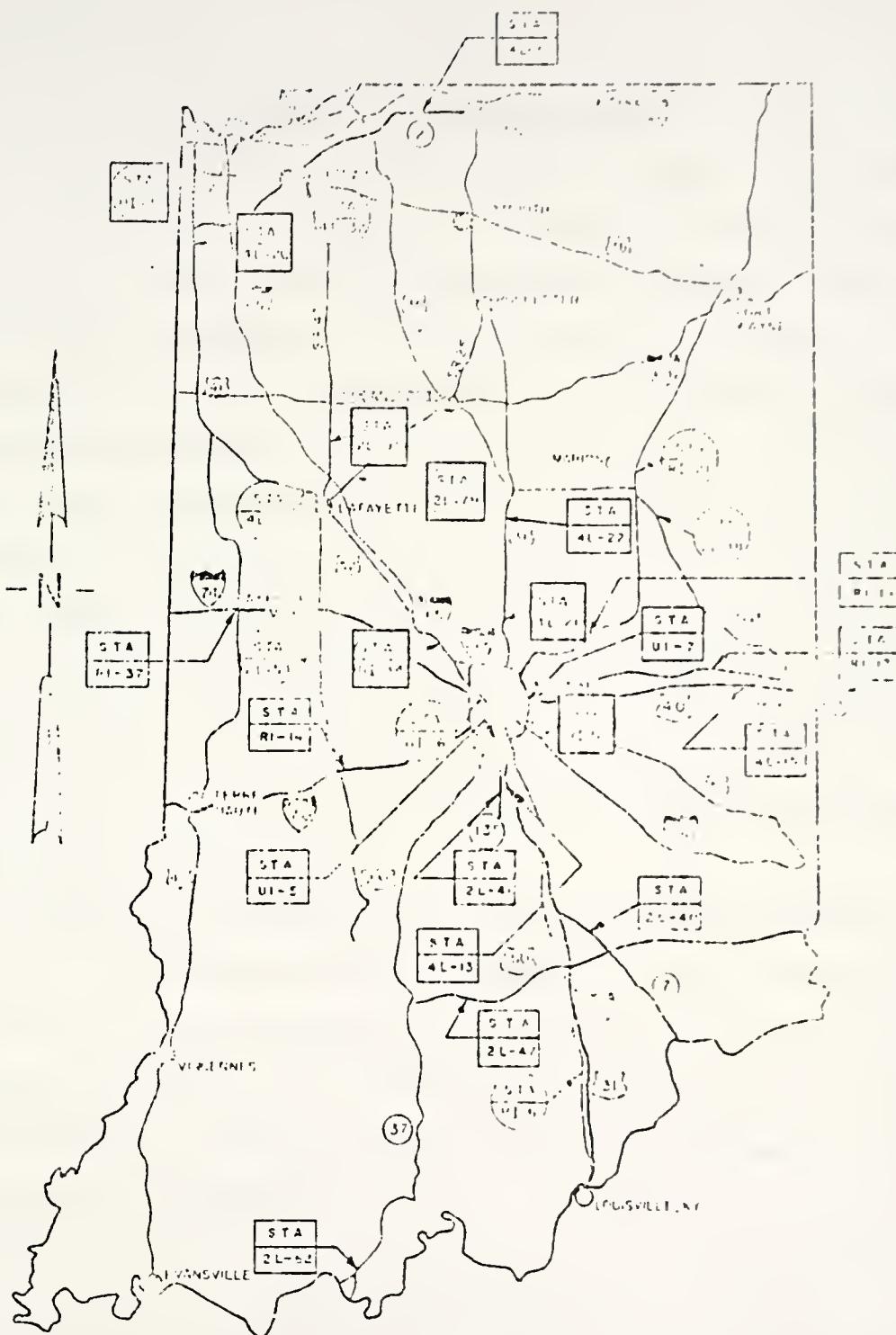
| | | |
|--------|---------|---------------------------------------|
| *UI-6 | (I-65) | East of White River Bridge |
| **UI-1 | (I-94) | First bridge east of Burr interchange |
| UI-7 | (I-70) | 0.85 mile east of I-465 |
| UI-5 | (I-465) | 2.85 miles west of U.S. 31 |

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



NOTE

- Control stations
 - Random 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 located in a van type vehicle parked as a disabled vehicle on the right shoulder. The van was equipped with one-way vision windows on the rear and side facing traffic so that approaching vehicles could not observe the speed measurement process. The observers were also equipped with CB radio equipment so as to monitor possible radio notification of the speed measurement and of police vehicles in the area. When any such incidents occurred speeds were not taken for at least a following 15 minute period. Such periods rarely occurred. There was rarely indication, in fact, that motorists were ever aware of the presence of a speed measuring station while it was in operation.

The speed was measured at a distance from the van so that the angle of measurement with the highway center line was always less than 10° . No corrections of speeds were necessary at these small angles. At the beginning of the study the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

RESULTS OF ANALYSIS

The data collected were analyzed and are summarized in Tables 1 to 28 in 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> | | | | |
| Indiana | 58.7 | 60.1 | 57.0 | 55.9 |
| Non-Indiana | 59.0 | 60.1 | 58.1 | 55.9 |
| All Passenger Cars | 58.8 | 60.1 | 57.2 | 55.9 |
| 85 Percentile (all) | 62.7 | 64.5 | 62.0 | 60.9 |
| <u>Trucks:</u> | | | | |
| Less than 5000 lbs. | 57.7 | 58.4 | 55.7 | 54.9 |
| 5000 lbs. or more | 58.2 | 59.7 | 56.6 | 53.5 |
| <u>All Vehicles:</u> | | | | |
| Average | 58.4 | 59.7 | 56.8 | 55.3 |
| 85 Percentile | 62.5 | 64.1 | 61.8 | 60.5 |

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 | 77.6 | 83.0 | 62.5 | 51.5 |
| Non-Indiana | 79.9 | 84.1 | 68.1 | 52.2 |
| All Passenger Cars | 78.2 | 83.1 | 63.3 | 51.5 |
| <u>Trucks:</u> | | | | |
| Less than 5000 lbs. | 70.0 | 72.6 | 53.2 | 46.2 |
| 5000 lbs or more | 73.5 | 82.7 | 61.8 | 40.4 |
| All Vehicles: | 75.5 | 81.9 | 61.8 | 48.7 |

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</u> | <u>Two Lane</u> |
| | | | <u>Rural</u> | <u>Rural</u> |
| <u>Passenger Cars:</u> | | | | |
| Indiana | 33.6 | 42.9 | 24.1 | 18.6 |
| Non-Indiana | 37.3 | 46.3 | 28.2 | 18.9 |
| All Passenger Cars | 34.6 | 44.4 | 24.7 | 18.6 |
| <u>Trucks:</u> | | | | |
| Less than 5000 lbs. | 27.6 | 33.3 | 19.7 | 14.5 |
| 5000 lbs. or more | 32.2 | 43.6 | 26.4 | 11.1 |
| All Vehicles: | 32.8 | 42.7 | 24.2 | 16.7 |

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</u> | <u>Two Lane</u> |
| | | | <u>Rural</u> | <u>Rural</u> |
| <u>Passenger Cars:</u> | | | | |
| Indiana | 6.8 | 13.9 | 5.0 | 5.0 |
| Non-Indiana | 5.6 | 11.5 | 8.6 | 6.9 |
| All Passenger Cars | 6.5 | 12.9 | 5.5 | 5.1 |
| <u>Trucks:</u> | | | | |
| Less than 5000 lbs. | 5.3 | 9.3 | 4.3 | 3.3 |
| 5000 lbs. or more | 6.2 | 8.9 | 2.9 | 2.7 |
| All Vehicles: | 6.2 | 11.2 | 4.7 | 4.4 |

Summary and Conclusions

Overall average speed for all vehicles and passenger cars in this July-September 1977 study were found to be 57.5 and 57.8 mph, respectively. These overall average speeds for all vehicles and passenger cars are respectively 0.6 and 0.3 mph below the results of the April-June 1977 study, and are 0.1 and 0.2 mph below the results of the July-September 1976 study.

Overall average speeds for all trucks and heavy trucks in this July-September 1977 study were found to be 57.0 and 57.4 mph, respectively. These overall average speeds for all trucks and heavy trucks are respectively 1.0 and 1.2 mph below the results of the April-June 1977 study, and differ by 0.0 and 0.3 mph, respectively, below the July-September 1976 study.

Table A presents a comparison of the overall speed results with that of the previous two studies. The table also shows that the 85th percentile speed of passenger cars decreased by 0.4 mph to 62.6 mph when compared to the April-June 1977 study and is 0.1 mph below the results of the July-September 1976 study.

A comparison of July-September 1977 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.

Tables B, C, D and E show in general that passenger car average speeds have either remained the same or decreased

when compared to the April-June 1977 study results. The tables also indicate that truck speeds have decreased from the previous study of April-June 1977.

Table F further compares speed results for the rural highways and vehicle types over the past ten years. Compared with August 1976 results, the average speed of passenger cars in August 1977 has decreased for the two-lane (0.7 mph) and four-lane (0.1 mph) highways and increased slightly for rural interstate highways (0.2 mph). Truck average speed, when compared with the August 1976 result, are also less for the two-lane (1.3 mph) and four-lane (0.2 mph) highways but slightly higher for rural interstate (0.9 mph).

Speeds were also measured at night at three (3) locations (Stations RI-17, 4L-32 and 2L-91) one on each of the rural highway classifications. The average speed at each of these three stations was very similar to the speeds on other stations of the same highway class where speed was measured during daylight hours.

TABLE A
COMPARISON OF THE OVERALL SPEED RESULTS

| | July-Sept. <u>1977</u> | April-June <u>1977</u> | Jan.-Mar. <u>1977</u> |
|-----------------------|---------------------------|---------------------------|--------------------------|
| <u>Average</u> | | | |
| All Passenger Cars | 57.8 | 58.1 | 57.8 |
| Heavy Trucks | 57.4 | 58.6 | 56.0 |
| All Trucks | 57.0 | 58.0 | 56.0 |
| <u>85 Percentile:</u> | | | |
| All Passenger Cars | 62.6 | 63.0 | 62.7 |
| Heavy Trucks | 62.5 | 63.3 | 61.5 |
| All Trucks | 62.3 | 63.0 | 61.4 |
| <u>15 Percentile:</u> | | | |
| Heavy Trucks | 51.1 | 52.9 | 49.7 |

TABLE B
AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (URBAN)

| | July-Sept. 1977 | April-June 1977 | Jan.-Mar. 1977 | Oct.-Dec. 1976 |
|------------------------|--------------------|--------------------|-------------------|-------------------|
| <u>Passenger Cars:</u> | | | | |
| Indiana | 58.7 | 58.7 | 57.0 | 57.3 |
| Non-Indiana | 59.0 | 59.1 | 57.1 | 57.8 |
| All Passenger Cars | 58.8 | 58.8 | 57.0 | 57.3 |
| 85 Percentile (all) | 62.7 | 62.9 | 61.5 | 61.2 |
| <u>Trucks:</u> | | | | |
| Less than 5000 lbs. | 57.7 | 57.7 | 55.9 | 55.7 |
| 5000 lbs. or more | 58.2 | 58.9 | 56.2 | 55.4 |

TABLE C
AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (RURAL)

| | July-Sept. 1977 | April-June 1977 | Jan.-Mar. 1977 | Oct.-Dec. 1976 |
|------------------------|--------------------|--------------------|-------------------|-------------------|
| <u>Passenger Cars:</u> | | | | |
| Indiana | 60.1 | 60.4 | 60.1 | 59.7 |
| Non-Indiana | 60.1 | 60.5 | 61.0 | 60.1 |
| All Passenger Cars | 60.1 | 60.5 | 60.5 | 59.9 |
| 85 Percentile (all) | 64.5 | 64.8 | 64.7 | 64.5 |
| <u>Trucks:</u> | | | | |
| Less than 5000 lbs. | 58.4 | 59.3 | 58.0 | 58.0 |
| 5000 lbs. or more | 59.7 | 60.9 | 59.3 | 57.4 |

TABLE D
AVERAGE SPEEDS ON OTHER FOUR-LANE HIGHWAYS

| | July-Sept. 1977 | April-June 1977 | Jan.-Mar. 1977 | Oct.-Dec. 1976 |
|------------------------|--------------------|--------------------|-------------------|-------------------|
| <u>Passenger Cars:</u> | | | | |
| Indiana | 57.0 | 57.1 | 56.7 | 58.1 |
| Non-Indiana | 58.1 | 57.8 | 58.7 | 59.8 |
| All Passenger Cars | 57.2 | 57.2 | 57.0 | 58.3 |
| 85 Percentile (all) | 62.0 | 61.9 | 61.7 | 63.7 |
| <u>Trucks:</u> | | | | |
| Less than 5000 lbs. | 55.7 | 56.7 | 54.8 | 56.8 |
| 5000 lbs. or more | 56.6 | 58.0 | 54.8 | 55.9 |

TABLE E
AVERAGE SPEEDS ON TWO-LANE HIGHWAYS

| | July-Sept. 1977 | April-June 1977 | Jan.-Mar. 1977 | Oct.-Dec. 1976 |
|------------------------|--------------------|--------------------|-------------------|-------------------|
| <u>Passenger Cars:</u> | | | | |
| Indiana | 55.9 | 56.3 | 56.5 | 56.4 |
| Non-Indiana | 55.9 | 57.3 | 58.3 | 56.3 |
| All Passenger Cars | 55.9 | 56.4 | 56.7 | 56.4 |
| 85 Percentile (all) | 60.9 | 61.4 | 61.8 | 61.4 |
| <u>Trucks:</u> | | | | |
| Less than 5000 lbs. | 54.9 | 55.6 | 55.8 | 54.9 |
| 5000 lbs. or more | 53.5 | 55.1 | 53.5 | 54.4 |

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 | ATT Mean | ATT 85% | Light Mean | Heavy Mean | ATT Mean |
| Two-Lane Highways | | | | | | | | |
| 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 |
| Aug. | '77 | 55.9 | 55.9 | 55.9 | 60.9 | 54.9 | 53.5 | 54.2 |
| Four-Lane Highways | | | | | | | | |
| June | '68 | 64.2 | 66.2 | 64.9 | 70.4 | 53.4 | 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 |
| Aug. | '77 | 57.0 | 58.1 | 57.2 | 62.0 | 55.7 | 56.6 | 56.2 |
| Interstate Highways (Rural) | | | | | | | | |
| 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 |
| Aug. | '77 | 60.1 | 60.1 | 60.1 | 64.5 | 58.4 | 59.7 | 59.3 |
| All Rural Highways | | | | | | | | |
| 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 |
| Aug. | '77 | 57.2 | 59.1 | 57.6 | | 56.1 | 57.2 | 56.8 |

TABLE 1 SPEED DATA

STATION_RI-6 HIGHWAY_I-65

THIS OBSERVATION DATE 8-10-77

LAST PREVIOUS OBSERVATION DATE 5-26-77

NO. OF LANES 4 TYPE OF SURFACE Concrete

LOCATION 7.5 miles north of S.R. 160

WEATHER Hazy

TIME 72:19-7:00 PM - SB
7:15-7:56 PM - NB

| PASSENGER CARS | | TRUCKS | |
|---|--------------------|---------------|------------|
| | | ALL | >5000 LBS. |
| NUMBER OF VEHICLES | LASI PRES- | ENI PRES- | ENI PRES- |
| AVE. SPEED (MPH) | 24.6 | 25.2 | 13.4 |
| STANDARD DEVIATION | 60.74 | 59.89 | 60.65 |
| 24 MPH | 5.400 | 4.731 | 5.210 |
| 29 MPH | 0.0 | 0.0 | 0.0 |
| 34 MPH | 0.0 | 0.0 | 0.0 |
| 39 MPH | 0.0 | 0.0 | 0.0 |
| PERCENT OF VEHICLES TRAVELING AT OR LESS THAN | 4.4 MPH | 1.2 MPH | 1.2 MPH |
| DIRECTION | NUMBER OF VEHICLES | AVERAGE SPEED | DIRECTION |
| | 131 | 126 | 126 |
| | 59.37 | 59.37 | 59.37 |
| | 62.30 | 60.41 | 62.17 |
| | 62.30 | 60.41 | 62.17 |

E.C.C.

TABLE 3 SPEED DATA

STATION_RI-34 HIGHWAY_I-65 LOCATION 2.5 miles south of first bridge south of SR 39

NO. OF LANES_4 TYPE OF SURFACE_Ashphalt WEATHER Clear
 THIS OBSERVATION DATE 7-28-77 TIME 10:28-11:00 AM
 TIME 1:26-11:58 AM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
 DATE 8-24-76 TIME 3:00-4:35 PM

| PASSENGER CARS | | TRUCKS | |
|------------------------------------|---|---------|-------------|
| | ALL | INDIANA | NON-INDIANA |
| | PRES- | PRES- | PRES- |
| OBSERVATION | LAST ENTI LAST ENTI LAST ENTI LAST ENTI | | |
| NUMBER OF VEHICLES | 269 266 173 96 159 93 171 50 55 109 | | |
| AVERAGE SPEED (MPH) | 60.77 60.90 60.37 60.82 61.48 61.06 60.65 59.01 61.18 56.91 60.41 60.00 | | |
| STANDARD DEVIATION | 4.353 5.125 4.267 5.473 4.437 4.428 4.428 4.957 3.842 5.075 5.195 4.597 | | |
| 24 MPH | 0 0 0 0 0 0 0 0 0 0 0 0 | | |
| 29 MPH | 0 0 0 0 0 0 0 0 0 0 0 0 | | |
| 34 MPH | 0 0 0 0 0 0 0 0 0 0 0 0 | | |
| 39 MPH | 0 0 0 0 0 0 0 0 0 0 0 0 | | |
| PERCENT OF | 4.4 MPH 0 0 0 0 0 0 0 0 0 0 0 0 | | |
| 4.9 MPH | 0 4 7 1 6 4 2 3 2 7 6 14.6 2.0 2.7 3 10.1 8.6 | | |
| VEHICLES TRAVELING AT OR LESS THAN | 5.4 MPH 4.3 1 4.0 2 4.6 8 4.3 4 3.6 5 3.4 4 4.5 9 5.4 4 3.8 0 7.2 7 4.9 5 4.5 7 1.7 | | |
| 74 MPH | 5.9 MPH 4.1 0 8.1 0 8.0 5 8.3 2 8.0 3 7.7 1 8.0 6 8.1 5 8.7 7 8.4 0 9.8 2 7.8 9 8.2 8 1.7 | | |
| DIRECTION | NUMBER OF VEHICLES 142 126 93 83 49 43 76 94 22 25 54 69 | | |
| AVERAGE SPEED | 61.82 60.82 61.33 61.01 62.73 60.61 61.78 59.82 62.45 58.04 61.50 60.46 | | |
| DIRECTION | NUMBER OF VEHICLES 127 140 80 90 47 50 83 77 28 30 55 47 | | |
| AVERAGE SPEED | 59.59 60.93 59.25 60.63 60.17 61.46 59.63 58.01 60.18 55.97 59.35 59.32 | | |

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 -----

THIS OBSERVATION
DATE -- 8-1-77
TIME -- 2:01-2:36 PM -- EB
-- 2:57-3:37 PM - WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
DATE 8-26-76
TIME 11:15 AM - T:25 PM

WEATHER - Partly Cloudy

| THIS OBSERVATION | | PASSENGER CARS | | TRUCKS | |
|---------------------|--------------------|----------------|-------------|--------|-----------|
| NO. OF VEHICLES | LAST | INDIANA | NON-INDIANA | ALL | <2000 LBS |
| NUMBER OF VEHICLES | LAST | ENT | LAST | ENT | PRES |
| 273 | 274 | 158 | 167 | 115 | 25000 LBS |
| AVERAGE SPEED (MPH) | 59.33 | 60.23 | 58.72 | 59.78 | 102 |
| STANDARD DEVIATION | 4.986 | 4.795 | 4.988 | 5.179 | 33 |
| 24 MPH | 0 | 0 | 0 | 0 | 0 |
| 29 MPH | 0 | 0 | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 | 0 | 0 |
| 39 MPH | 0 | 0 | 0 | 0 | 0 |
| PERCENT OF | 4.4 MPH | 0 | 0 | 0 | 0 |
| 4.9 MPH | 1.8 | 1.5 | 1.9 | 1.7 | 0 |
| VEHICLES | 54 MPH | 13.9 | 11.3 | 17.7 | 15.8 |
| TRAVELING AT OR | 59 MPH | 54.6 | 46.0 | 60.8 | 54.6 |
| LESS THAN | 64 MPH | 84.6 | 81.4 | 86.1 | 79.6 |
| DIRECTION | AVERAGE SPEED | 29.81 | 60.13 | 29.72 | 29.88 |
| DIRECTION | NUMBER OF VEHICLES | 134 | 144 | 82 | 77 |
| DIRECTION | AVERAGE SPEED | 58.87 | 60.34 | 57.64 | 59.70 |

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TABLE 5 SPEED DATA

| | | |
|------------------------------|---------------------------|---|
| STATION--RI=17 | HIGHWAY I-70 | LOCATION 1.1 miles west of Wilbur Wright Road and New Lisbon Rd. between mile post markers 129 & 130. |
| NO. OF LANES 4 | TYPE OF SURFACE Concrete | WEATHER Clear - Dark |
| THIS OBSERVATION DATE 8-2-77 | TIME 9:26-10:20 PM - WB - | TIME 10:45-11:55 PM - EB - |

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE
 TIME

| PASSENGER CARS | | | TRUCKS | | |
|------------------------------------|----------|----------|------------|-------|-------|
| ALL INDIANA | | | <5000 LBS. | | |
| OBSERVATION | LAST ENT | LAST FNT | PRES- | PRES- | PRES- |
| NUMBER OF VEHICLES | 155 | 155 | 0 | 292 | 25 |
| AVERAGE SPEED (MPH) | 59.45 | 59.45 | 0 | 59.75 | 58.00 |
| STANDARD DEVIATION | 5.34 | 5.34 | 0 | 4.703 | 6.178 |
| PERCENT OF | 0 | 0 | 0 | 0 | 0 |
| 42 MPH | 0 | 0 | 0 | 0 | 0 |
| 39 MPH | 0 | 0 | 0 | 0 | 0 |
| 36 MPH | 0 | 0 | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 | 0 | 0 |
| 31 MPH | 0 | 0 | 0 | 0 | 0 |
| PERCENT OF | 44 | 44 | 0 | 0 | 0 |
| 49 MPH | 0 | 1.9 | 0 | 2.7 | 0 |
| VEHICLES TRAVELING AT OR LESS THAN | 56 | 13.5 | 0 | 11.3 | 2.8 |
| 59 MPH | 0 | 51.6 | 0 | 49.0 | 6.4 |
| 64 MPH | 0 | 85.8 | 0 | 82.5 | 7.6 |
| 69 MPH | 0 | 96.1 | 0 | 99.3 | 0 |
| 74 MPH | 0 | 99.4 | 0 | 100.0 | 0 |
| 79 MPH | 0 | 99.4 | 0 | 100.0 | 0 |
| 84 MPH | 0 | 100.0 | 0 | 100.0 | 0 |
| 89 MPH | 0 | 100.0 | 0 | 100.0 | 0 |
| DIRECTION | | | 0 | 100.0 | 0 |
| NUMBER OF VEHICLES | 0 | 80 | 0 | 148 | 12 |
| AVERAGE SPEED | 0 | 59.97 | 0 | 61.15 | 59.83 |
| DIRECTION | | | 0 | 0 | 0 |
| NUMBER OF VEHICLES | 0 | 75 | 0 | 144 | 13 |
| AVERAGE SPEED | 0 | 58.88 | 0 | 58.31 | 56.31 |

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TABLE 6 SPEED DATA

STATION--RI=37

HIGHWAY--I-74

LOCATION--1.2 miles east of U.S. 41

NO. OF LANES 4

TYPE OF SURFACE Concrete

THIS OBSERVATION DATE 8-16-77 (EB) 8-17-77 (WB)
 TIME 10:01-10:56 AM ED
 1:01-1:59 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO._____)

DATE 10:01-10:56 AM
 TIME

WEATHER Cloudy

PASSENGER CARS

| OBSERVATION | LAST NUMBER OF VEHICLES | ENT PRES- | LAST ENT | PRES- | ALL | | INDIANA | | NON-INDIANA | | ALL | | <5000 LBS | | >5000 LBS | | PRES- | | |
|------------------------------------|----------------------------|--------------|-------------|-------|-------|-------|---------|-------|-------------|-------|-------|-------|-----------|-------|-----------|-------|-------|-------|-------|
| | | | | | PRES- | LAST | ENT | PRES- | LAST | ENT | PRES- | LAST | ENT | PRES- | LAST | ENT | PRES- | LAST | |
| Ave. Speed (MPH) | 59.00 | 0 | 58.97 | 0 | 205 | 0 | 168 | 0 | 56 | 0 | 112 | 0 | 56 | 0 | 57.29 | 0 | 59.33 | 0 | 57.23 |
| Standard Deviation | 4.830 | 0 | 4.345 | 0 | 52.01 | 0 | 58.65 | 0 | 52.37 | 0 | 5.231 | 0 | 5.346 | 0 | 5.446 | 0 | 5.231 | 0 | 5.231 |
| 24 MPH | 0 | 0 | 0 | 0 | 4.969 | 0 | 5.275 | 0 | 5.275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PERCENT OF VEHICLES | 4.4 MPH | 0 | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VEHICLES TRAVELING AT OR LESS THAN | 54 MPH | 0 | 17.9 | 0 | 12.1 | 0 | 19.5 | 0 | 17.3 | 0 | 2.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 MPH | 0 | 57.4 | 0 | 62.1 | 0 | 56.1 | 0 | 54.8 | 0 | 6.6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 MPH | 0 | 89.0 | 0 | 91.4 | 0 | 88.3 | 0 | 86.3 | 0 | 92.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 MPH | 0 | 98.5 | 0 | 98.3 | 0 | 98.5 | 0 | 99.4 | 0 | 100.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 MPH | 0 | 92.2 | 0 | 100.0 | 0 | 99.0 | 0 | 100.0 | 0 | 100.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 MPH | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 MPH | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 MPH | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DIRECTION | NUMBER OF VEHICLES | 0 | 136 | 0 | 31 | 0 | 105 | 0 | 78 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVERAGE SPEED | 0 | 57.82 | 0 | 58.13 | 0 | 57.72 | 0 | 57.60 | 0 | 57.36 | 0 | 57.22 | 0 | 57.22 | 0 | 57.22 | 0 | 57.22 | 0 |
| DIRECTION | NUMBER OF VEHICLES | 0 | 127 | 0 | 27 | 0 | 100 | 0 | 90 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVERAGE SPEED | 0 | 60.27 | 0 | 59.97 | 0 | 60.36 | 0 | 59.56 | 0 | 57.23 | 0 | 59.78 | 0 | 60.78 | 0 | 60.78 | 0 | 60.78 | 0 |

TABLE 7 SPEED DATA

STATION RI-19 HIGHWAY I-69
 NO. OF LANES 2 TYPE OF SURFACE Concrete
 THIS OBSERVATION DATE 8-2-77
 TIME 1:45-2:20 PM - 100
 TIME 2:49-3:22 PM - SB

LOCATION 1.0 mile north of SR 13

LAST PREVIOUS OBSERVATION (SPFED REPORT NO.)
 DATE
 TIME

WEATHER Clear

| PASSENGER CARS | | TRUCKS | |
|--------------------|--------------------|------------|----------|
| ALL INDIANA | | <5000 LBS. | |
| | PRES- | PRES- | PRES- |
| OBSERVATION | LAST ENT | LAST ENT | LAST ENT |
| NUMBER OF VEHICLES | 269 | 196 | 73 |
| AVE. SPEED (MPH) | 60.14 | 62.06 | 58.55 |
| STANDARD DEVIATION | 5.056 | 5.121 | 4.903 |
| 24 MPH | 0 | 0 | 0 |
| 29 MPH | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 |
| 39 MPH | 0 | 0 | 0 |
| PERCENT OF | 0 | 0 | 0 |
| 49 MPH | 0 | 1.1 | 0 |
| 54 MPH | 0 | 1.9 | 0 |
| 59 MPH | 0 | 4.72 | 0 |
| 64 MPH | 0 | 82.9 | 0 |
| LESS THAN | 69 MPH | 95.9 | 95.9 |
| 74 MPH | 0 | 98.9 | 0 |
| 79 MPH | 0 | 100.0 | 0 |
| 84 MPH | 0 | 100.0 | 0 |
| 89 MPH | 0 | 100.0 | 0 |
| DIRECTION | NUMBER OF VEHICLES | 133 | 9 |
| AVERAGE SPEED | 0 | 60.46 | 60.29 |
| DIRECTION | NUMBER OF VEHICLES | 136 | 101 |
| AVERAGE SPEED | 0 | 59.82 | 59.83 |

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TABLE - 33 - SPEED DATA

STATION - RI-14
NO. OF LANES - 4
THIS OBSERVATION
DATE - 8-5-77
TIME - 77:77-77:48 AM - EB
HIGHWAY - I-70
TYPE OF SURFACE - Concrete

LOCATION - 1.3 miles east of US 231

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME
WEATHER Hazy

PASSENGER CARS

| OBSERVATION NUMBER OF VEHICLES | ALL PRES- | | | INDIANA PRES- | | | NON-INDIANA PRES- | | | ALL PRES- | | | <5000 LBS. | | | >5000 LBS. | | |
|-----------------------------------|-----------|-------|-------|---------------|-------|-------|-------------------|-------|-------|-----------|-------|-------|------------|-------|-------|------------|-------|--|
| | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | PRES- | |
| AVE ± STANDARD DEVIATION | 60.42 | 60.41 | 60.43 | 60.43 | 59.87 | 59.87 | 59.11 | 59.11 | 59.11 | 59.11 | 59.11 | 59.11 | 60.24 | 60.24 | 60.24 | 60.24 | | |
| - | 4.35 | 4.85 | 4.562 | 4.562 | 4.648 | 4.648 | 5.755 | 5.755 | 5.755 | 5.755 | 5.755 | 5.755 | 3.999 | 3.999 | 3.999 | 3.999 | | |
| PERCENT OF VEHICLES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| AT OR LESS THAN | 82.6 | 82.6 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 85.9 | 85.9 | 85.9 | 85.9 | | |
| PERCENT OF TRAVELING VEHICLES | 8.3 | 7.4 | 8.7 | 8.7 | 11.5 | 11.5 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 5.9 | 5.9 | 5.9 | 5.9 | | |
| AVE ± STANDARD DEVIATION | 44.4 | 44.4 | 48.5 | 48.5 | 42.8 | 42.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 45.6 | 45.6 | 45.6 | 45.6 | | |
| DIRECTION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| NUMBER OF VEHICLES | 16 | 16 | 30 | 30 | 86 | 86 | 102 | 102 | 102 | 102 | 102 | 102 | 65 | 65 | 65 | 65 | | |
| AVERAGE SPEED | 61.35 | 60.67 | 61.59 | 61.59 | 61.40 | 61.40 | 60.65 | 60.65 | 60.65 | 60.65 | 60.65 | 60.65 | 61.83 | 61.83 | 61.83 | 61.83 | | |
| NUMBER OF VEHICLES | 125 | 38 | 87 | 87 | 98 | 98 | 27 | 27 | 27 | 27 | 27 | 27 | 71 | 71 | 71 | 71 | | |
| AVERAGE SPEED | 59.56 | 60.21 | 59.28 | 59.28 | 58.29 | 58.29 | 57.00 | 57.00 | 57.00 | 57.00 | 57.00 | 57.00 | 58.77 | 58.77 | 58.77 | 58.77 | | |

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TABLE 2--SPEED DATA

STATION - 4L-17 -- HIGHWAY - U.S. 52 -- LOCATION 150 feet east of County Road 475 West
 NO. OF LANES - 4 -- TYPE OF SURFACE - Asphalt
 THIS OBSERVATION DATE - 7-18-77
 TIME - 9:34-11:16 AM - WB
 12:33-2:00 PM - EB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. - - -)
 DATE - 5-9-77
 TIME - 9:36-11:15 AM - WB
 11:20 AM - 1:04 PM - EB

WEATHER - Hazy

| | | PASSENGER CARS | | TRUCKS | |
|---------------------|--------------------|----------------|---------------|-----------|------------|
| | | ALL PRES- | INDIANA PRES- | ALL PRES- | >5000 LBS. |
| OBSERVATION | LAST | ENT | LAST | ENT | PRES- |
| NUMBER OF VEHICLES | 278 | 282 | 246 | 245 | PRES- |
| AVERAGE SPEED (MPH) | 56.75 | 57.10 | 56.59 | 57.05 | PRES- |
| STANDARD DEVIATION | 5.900 | 5.975 | 6.000 | 6.180 | PRES- |
| 24 MPH | 0 | 0 | 0 | 0 | PRES- |
| 29 MPH | 4 | 0 | 4 | 0 | PRES- |
| 34 MPH | 4 | 0 | 4 | 0 | PRES- |
| 39 MPH | 7 | 0 | 8 | 0 | PRES- |
| 44 MPH | 4.0 | 2.5 | 4.5 | 2.9 | PRES- |
| 49 MPH | 8.3 | 7.4 | 8.5 | 8.6 | PRES- |
| 54 MPH | 26.8 | 29.1 | 30.9 | 29.8 | PRES- |
| 59 MPH | 71.9 | 69.5 | 72.4 | 69.1 | PRES- |
| AT OR LESS THAN | 64 MPH | 91.0 | 92.2 | 91.9 | PRES- |
| 69 MPH | 98.2 | 97.2 | 98.2 | 97.6 | PRES- |
| 74 MPH | 92.6 | 98.9 | 99.6 | 98.8 | PRES- |
| 79 MPH | 100.0 | 99.3 | 100.0 | 99.2 | PRES- |
| 84 MPH | 107.0 | 99.3 | 100.0 | 99.2 | PRES- |
| 89 MPH | 100.0 | 100.0 | 100.0 | 100.0 | PRES- |
| DIRECTION | NUMBER OF VEHICLES | 146 | 147 | 131 | 15 |
| AVERAGE SPEED | 56.16 | 57.87 | 55.93 | 57.78 | 62 |
| DIRECTION | NUMBER OF VEHICLES | 132 | 135 | 115 | 17 |
| AVERAGE SPEED | 57.40 | 56.25 | 57.34 | 56.19 | 57.82 |

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TABLE 10 SPFED DATA

| | | | |
|------------------|---------|-----------------|---------|
| STATION - | 4L-32 | HIGHWAY - | U.S. 30 |
| NO. OF LANES - | 4 | TYPE OF SURFACE | |
| THIS OBSERVATION | | | |
| DATE | 7-20-77 | | |
| TIME | 9:05 | 10:17 | PM |
| | 10:31 | 12:04 | AM |

-LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 101-1)
DATE 5-19-77
TIME 10:50-11:54 AM - WB --
TIME 12:22 - 1:28 PM - EB --

TABLE 11 SPEED DATA

STATION - 4L-21 HIGHWAY - U.S.-31 NO. OF LANES - 4 TYPE OF SURFACE - Asphalt

THIS OBSERVATION DATE - 7-26-77 TIME - 10:15-10:53 AM - SB
TIME - 11:05-11:56 AM - NB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
DATE - 8-24-76
TIME - 11:05-11:20 PM

WEATHER - Clear

| | | PASSENGER CARS | | | TRUCKS | | |
|------------------------------------|--------------------|----------------|---------|-------------|--------|------------|------------|
| | | ALL | INDIANA | NON-INDIANA | ALL | <5000 LBS. | >5000 LBS. |
| | | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- |
| OBSERVATION | LAST | ENT | LAST | LAST | ENT | ENT | ENT |
| NUMBER OF VEHICLES | 290 | 299 | 290 | 255 | 140 | 136 | 63 |
| AVERAGE SPEED (MPH) | 56.03 | 58.59 | 58.03 | 58.25 | 56.55 | 56.46 | 56.40 |
| STANDARD DEVIATION | 4.377 | 5.207 | 4.377 | 5.040 | 5.765 | 5.457 | 5.427 |
| 24 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PERCENT OF | 4.6 | 4.9 | 3.1 | 3.1 | 4.3 | 4.5 | 4.5 |
| VEHICLES TRAVELING AT OR LESS THAN | 54 MPH | 26.0 | 17.7 | 20.0 | 19.2 | 9.1 | 7.1 |
| 59 MPH | 67.2 | 57.2 | 67.2 | 58.4 | 50.0 | 69.3 | 71.5 |
| 64 MPH | 91.4 | 91.3 | 91.4 | 93.3 | 72.7 | 92.9 | 92.6 |
| 69 MPH | 99.3 | 97.7 | 99.3 | 98.4 | 93.2 | 99.3 | 93.7 |
| 74 MPH | 100.0 | 99.7 | 100.0 | 99.6 | 100.0 | 100.0 | 100.0 |
| 79 MPH | 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 |
| 89 MPH | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| DIRECTION | NUMBER OF VEHICLES | 138 | 138 | 138 | 119 | 19 | 72 |
| AVERAGE SPEED | 56.50 | 58.50 | 58.13 | 58.50 | 58.03 | 58.74 | 57.69 |
| DIRECTION | NUMBER OF VEHICLES | 152 | 161 | 152 | 136 | 25 | 68 |
| AVERAGE SPEED | 57.61 | 58.96 | 57.61 | 58.44 | 61.92 | 55.84 | 56.98 |

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TABLE 12 SPEED DATA

STATION - 41-20 -- HIGHWAY -- U.S. 41 -- LOCATION - 1.1 miles north of S.R. 2
 NO. OF LANES - 4 -- TYPE OF SURFACE -- Asphalt

THIS OBSERVATION
 DATE - 7-19-77
 TIME - 10:19-11:33 AM - NB
 12:12 PM - 1:25 PM - SB

WEATHER Clear

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. - 98)
 DATE - 7-14-76
 TIME - 10:15 AM - 2:03 PM

PASSENGER CARS

INDIANA

NON-INDIANA

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LAST

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LAST

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LAST

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TRUCKS

<2000 LBS

2000-4000 LBS

4000-6000 LBS

6000-8000 LBS

8000-10000 LBS

10000-12000 LBS

12000-14000 LBS

14000-16000 LBS

16000-18000 LBS

18000-20000 LBS

20000-22000 LBS

22000-24000 LBS

24000-26000 LBS

26000-28000 LBS

28000-30000 LBS

30000-32000 LBS

32000-34000 LBS

34000-36000 LBS

36000-38000 LBS

38000-40000 LBS

40000-42000 LBS

42000-44000 LBS

44000-46000 LBS

46000-48000 LBS

48000-50000 LBS

50000-52000 LBS

52000-54000 LBS

54000-56000 LBS

56000-58000 LBS

58000-60000 LBS

60000-62000 LBS

62000-64000 LBS

64000-66000 LBS

66000-68000 LBS

68000-70000 LBS

70000-72000 LBS

72000-74000 LBS

74000-76000 LBS

76000-78000 LBS

78000-80000 LBS

DIRECTION

NUMBER OF VEHICLES

AVERAGE SPEED

DIRECTION

NUMBER OF VEHICLES

AVERAGE SPEED

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TABLE 13 SPEED DATA

STATION - 422
HIGHWAY - U.S. 31
DATE - 7-25-77
TIME - 7:0:26 - 7:05 AM - SB
NO. OF LANES - 4
TYPE OF SURFACE - Asphalt

LOCATION - 2.6 miles south of S.R. 26

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE DATE
TIME TIME

WEATHER Partly Cloudy

| OBSERVATION | PASSENGER CARS | | | TRUCKS | | |
|--|--------------------|---------|-------------|-----------|----------|----------|
| | ALL PRES- | INDIANA | NON-INDIANA | ALL PRES- | ENT LAST | ENT LAST |
| NUMBER OF VEHICLES | LAST | ENT | LAST | LAST | ENT | ENT |
| AVE. SPEED (MPH) | 27.5 | 22.7 | 48 | 150 | 71 | 79 |
| STANDARD DEVIATION | 58.41 | 58.50 | 57.96 | 57.28 | 56.92 | 57.54 |
| 24 MPH | 4.978 | 4.887 | 5.422 | 4.324 | 4.664 | 4.064 |
| 29 MPH | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 MPH | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 MPH | 0 | 0 | 0 | 0 | 0 | 0 |
| PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 69 MPH | 54 | 53 | 51 | 42 | 27 | 14 |
| 74 MPH | 59 | 63 | 61 | 61 | 69 | 68 |
| 79 MPH | 64 | 82 | 89 | 87 | 96 | 97 |
| 84 MPH | 69 | 92 | 97 | 97 | 100 | 100 |
| 89 MPH | 74 | 99 | 100 | 100 | 100 | 100 |
| DIRECTION | NUMBER OF VEHICLES | 140 | 117 | 23 | 73 | 33 |
| AVERAGE SPEED | 58.53 | 58.60 | 57.87 | 56.47 | 55.70 | 57.10 |
| DIRECTION | NUMBER OF VEHICLES | 135 | 110 | 25 | 77 | 38 |
| AVERAGE SPEED | 58.28 | 58.34 | 58.04 | 58.05 | 58.11 | 58.00 |

TABLE 14 SPEED DATA

STATION - 4 L - 15 --- HIGHWAY U.S. 40

LOCATION 4.4 miles east of S-B-1

NO. OF LANES

Asphalt

DATE 8-3-77
TIME 10:43 - 11:52 AM - WB

SPEED OBSERVATION REPORT - NC

DATE _____ TIME _____

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| PASSENGER CARS | | ALL | | INDIANA | | NON-INDIANA | | ALL | | <5000 LBS. | | 25000 LBS. | | PRES- | | TRUCKS | |
|---------------------------------|-------|-------|-----|---------|-----|-------------|-----|-------|-----|------------|-----|------------|-----|-------|-----|--------|-----|
| OBSERVATION | PRES- | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT |
| NUMBER OF VEHICLES | 0 | 261 | 0 | 237 | 0 | 24 | 0 | 172 | 0 | 101 | 0 | 71 | 0 | 56 | 0 | 456 | 0 |
| AVE. SPEED (MPH) | 0 | 54.29 | 0 | 54.23 | 0 | 54.83 | 0 | 53.16 | 0 | 52.87 | 0 | 53.56 | 0 | 55.08 | 0 | 52.68 | 0 |
| STANDARD DEVIATION | 0 | 2.788 | 0 | 2.739 | 0 | 2.357 | 0 | 2.014 | 0 | 1.740 | 0 | 1.645 | 0 | 1.945 | 0 | 1.456 | 0 |
| 24 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PERCENT OF VEHICLES | 0 | 5.4 | 0 | 5.1 | 0 | 8.3 | 0 | 12.2 | 0 | 13.9 | 0 | 9.9 | 0 | 4.2 | 0 | 9.9 | 0 |
| 54 MPH | 0 | 20.7 | 0 | 21.1 | 0 | 16.7 | 0 | 25.6 | 0 | 29.7 | 0 | 19.7 | 0 | 54.9 | 0 | 54.9 | 0 |
| 59 MPH | 0 | 50.6 | 0 | 51.5 | 0 | 41.7 | 0 | 55.8 | 0 | 56.4 | 0 | 56.4 | 0 | 84.5 | 0 | 84.5 | 0 |
| TRAVELING AT OR LESS THAN | 0 | 82.8 | 0 | 82.7 | 0 | 83.3 | 0 | 83.1 | 0 | 82.2 | 0 | 82.2 | 0 | 95.8 | 0 | 95.8 | 0 |
| 74 MPH | 0 | 100.0 | 0 | 100.0 | 0 | 95.8 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 |
| 79 MPH | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 |
| 84 MPH | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 |
| 89 MPH | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 |
| DIRECTION | 0 | 141 | 0 | 132 | 0 | 9 | 0 | 77 | 0 | 49 | 0 | 28 | 0 | 52 | 0 | 43 | 0 |
| NUMBER OF VEHICLES | 0 | 53.63 | 0 | 53.72 | 0 | 52.33 | 0 | 51.31 | 0 | 50.53 | 0 | 52.68 | 0 | 55.08 | 0 | 54.14 | 0 |
| AVERAGE SPEED | 0 | 55.06 | 0 | 54.88 | 0 | 54.65 | 0 | 54.33 | 0 | 54.65 | 0 | 55.08 | 0 | 55.08 | 0 | 54.14 | 0 |

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TABLE I 5 SPEED DATA

| PASSENGER CARS | | TRUCKS | |
|------------------------------------|--------------------|--------|------------|
| | | ALL | <5000 LBS. |
| NON-INDIANA | INDIANA | PRES- | PRES- |
| PRES- | PRES- | PRES- | PRES- |
| DEVIATION | LAST | ENI | LAST |
| NUMBER OF VEHICLES | 0 | 273 | 0 |
| AVE. SPEED (MPH) | 0 | 57.05 | 0 |
| STANDARD DEVIATION | 0 | 5.129 | 0 |
| 24 MPH | 0 | 0 | 0 |
| 29 MPH | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 |
| 39 MPH | 0 | 0 | 0 |
| PERCENT OF | 4.4 MPH | 0 | 0 |
| VEHICLES TRAVELING AT OR LESS THAN | 4.9 MPH | 0 | 0 |
| 54 MPH | 0 | 0 | 0 |
| 59 MPH | 0 | 0 | 0 |
| 64 MPH | 0 | 0 | 0 |
| 69 MPH | 0 | 0 | 0 |
| 74 MPH | 0 | 0 | 0 |
| 79 MPH | 0 | 0 | 0 |
| 84 MPH | 0 | 0 | 0 |
| 89 MPH | 0 | 0 | 0 |
| DIRECTION | NUMBER OF VEHICLES | 0 | 139 |
| AVERAGE SPEED | 0 | 57.68 | 0 |
| DIRECTION | NUMBER OF VEHICLES | 0 | 134 |
| AVERAGE SPEED | 0 | 56.40 | 0 |

TABLE 16 SPEED DATA

STATION - 4L-13 - - - HIGHWAY - U.S. 31 - - - LOCATION - 1.0 mile north of New Whiteland
 NO. OF LANES - 4 - - - TYPE OF SURFACE - Asphalt - - - WEATHER - Cloudy
 THIS OBSERVATION DATE - 8-9-77
 TIME - 11:11 - 11:55 AM - SB
 TIME - 12:14 - 12:53 PM - NB
 LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE - - - - -
 TIME - - - - -

| PASSENGER CARS | | TRUCKS | |
|--|-------|--------|-------|
| | | ALL | ALL |
| | PRES- | PRES- | PRES- |
| OBSERVATION | LAST | ENI | LAST |
| NUMBER OF VEHICLES | 312 | 296 | 16 |
| AVERAGE SPEED (MPH) | 56.42 | 56.41 | 56.75 |
| STANDARD DEVIATION | 5.537 | 5.578 | 4.865 |
| 24 MPH | 0 | 0 | 4.863 |
| 29 MPH | 0 | 0 | 6.643 |
| 34 MPH | 0 | 0 | 6.643 |
| 39 MPH | 0 | 0 | 6.643 |
| PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 44 MPH | 2.2 | 2.4 | 1.4 |
| VEHICLES TRAVELING AT OR LESS THAN 49 MPH | 9.6 | 10.1 | 9.5 |
| VEHICLES TRAVELING AT OR LESS THAN 54 MPH | 37.5 | 36.2 | 39.4 |
| VEHICLES TRAVELING AT OR LESS THAN 59 MPH | 71.8 | 72.6 | 68.8 |
| VEHICLES TRAVELING AT OR LESS THAN 64 MPH | 91.3 | 91.2 | 92.7 |
| VEHICLES TRAVELING AT OR LESS THAN 69 MPH | 99.4 | 99.3 | 99.7 |
| VEHICLES TRAVELING AT OR LESS THAN 74 MPH | 100.0 | 100.0 | 97.1 |
| VEHICLES TRAVELING AT OR LESS THAN 79 MPH | 100.0 | 100.0 | 99.3 |
| VEHICLES TRAVELING AT OR LESS THAN 84 MPH | 100.0 | 100.0 | 99.3 |
| VEHICLES TRAVELING AT OR LESS THAN 89 MPH | 100.0 | 100.0 | 100.0 |
| DIRECTION | | | |
| NUMBER OF VEHICLES | 3140 | 149 | 11 |
| AVERAGE SPEED | 57.20 | 57.21 | 57.09 |
| DIRECTION | | | |
| NUMBER OF VEHICLES | 3152 | 147 | 11 |
| AVERAGE SPEED | 55.61 | 55.59 | 56.00 |

TABLE 18 SPEED DATA

STATION 2L-54 HIGHWAY U.S. 231.

NO. OF LANES 2 TYPE OF SURFACE Asphalt

LOCATION 1.1 miles south of S.R. 234

THIS OBSERVATION DATE 7-29-77 TIME 10:14 AM - 12:42 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.) DATE 5-10-77 TIME 10:18 AM - 1:01 PM WEATHER Hazy - Clear

PASSENGER CARS

| OBSERVATION NUMBER OF VEHICLES | LAST ENT | LAST ENT | LAST ENT | LAST ENT | ALL PRESS | | NON-INDIANA PRESS | | TRUCKS PRESS | |
|-----------------------------------|-------------|-------------|-------------|-------------|--------------|-------------|----------------------|-------------|-----------------|-------------|
| | | | | | LAST ENT | LAST ENT | LAST ENT | LAST ENT | LAST ENT | LAST ENT |
| 24 VEHICLES | 241 | 258 | 219 | 229 | 29 | 196 | 174 | 86 | 82 | 110 |
| AVERAGE SPEED (MPH) | 55.68 | 56.94 | 55.60 | 57.09 | 56.32 | 55.76 | 55.77 | 56.16 | 57.05 | 55.45 |
| STANDARD DEVIATION | 5.820 | 6.189 | 5.810 | 6.155 | 6.040 | 6.435 | 6.480 | 6.776 | 7.200 | 5.880 |
| 24 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 MPH | 8 | 12 | 9 | 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 MPH | 52 | 50 | 31 | 51 | 40 | 34 | 46 | 57 | 35 | 37 |
| PERCENT OF VEHICLES | 4.9 | 4.7 | 1.1 | 6 | 8.7 | 4.0 | 17.2 | 14.8 | 13.8 | 15.9 |
| TRAVELING AT OR LESS THAN | 54 MPH | 38.6 | 32.6 | 38.0 | 31.0 | 44.0 | 44.8 | 41.3 | 31.6 | 40.7 |
| AT OR LESS THAN | 59 MPH | 78.8 | 67.1 | 79.2 | 65.2 | 74.0 | 75.9 | 74.5 | 65.5 | 70.9 |
| DIRECTION | 64 MPH | 94.6 | 90.3 | 95.4 | 90.0 | 88.0 | 93.1 | 92.3 | 87.4 | 87.2 |
| NUMBER OF VEHICLES | 69 | 98 | 97 | 98 | 97 | 97 | 96.6 | 98.0 | 96.5 | 96.3 |
| AVERAGE SPEED | 100.0 | 100.0 | 99.0 | 100.0 | 99.6 | 100.0 | 100.0 | 98.5 | 97.7 | 97.7 |
| DIRECTION | 79 MPH | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| NUMBER OF VEHICLES | 82 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| AVERAGE SPEED | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TABLE - 19 SPEED DATA

STATION - 2L-91 - HIGHWAY - S.R. 43 - LOCATION - 2.0 miles south of Chalmers
 NO. OF LANES - 2 - TYPE OF SURFACE - Asphalt
 THIS OBSERVATION - 8-18-77
 DATE - 8:15 PM - TIME - 12:15 AM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. - 98-)
 DATE - 8-5-76
 TIME - 2:14 - 4:44 PM

WEATHER Partly Cloudy - Dark

| OBSERVATION | NUMBER OF VEHICLES | PASSENGER CARS | | | TRUCKS | | |
|------------------------------|--------------------|----------------|---------|-------------|--------|---------|-------------|
| | | ALL | INDIANA | NON-INDIANA | ALL | INDIANA | NON-INDIANA |
| NUMBER OF VEHICLES | 289 | 404 | 258 | 404 | 31 | 47 | 75 |
| AVERAGE SPEED (MPH) | 57.01 | 57.21 | 56.86 | 57.21 | 58.26 | 55.14 | 55.08 |
| STANDARD DEVIATION | 6.185 | 6.840 | 6.220 | 6.840 | 5.831 | 6.292 | 5.670 |
| PERCENT | 4.4 MPH | 1.0 | 1.7 | 2.1 | 7 | 0 | 0 |
| OF VEHICLES | 4.9 MPH | 2.8 | 1.7 | 3.1 | 1.2 | 1.7 | 1.4 |
| PERCENT | 5.4 MPH | 8.0 | 8.4 | 8.1 | 8.4 | 8.4 | 8.4 |
| OF TRAVELING AT OR LESS THAN | 5.9 MPH | 29.4 | 35.6 | 29.5 | 35.6 | 29.0 | 35.3 |
| AT OR LESS THAN | 6.4 MPH | 69.2 | 70.3 | 70.5 | 70.3 | 64.5 | 76.0 |
| AT OR LESS THAN | 6.9 MPH | 91.3 | 90.1 | 92.3 | 90.1 | 83.9 | 93.4 |
| AT OR LESS THAN | 7.4 MPH | 96.9 | 94.8 | 96.9 | 94.8 | 96.8 | 97.2 |
| AT OR LESS THAN | 7.9 MPH | 98.6 | 98.0 | 98.4 | 98.0 | 100.0 | 99.3 |
| AT OR LESS THAN | 8.4 MPH | 100.0 | 99.0 | 100.0 | 99.0 | 100.0 | 100.0 |
| AT OR LESS THAN | 8.9 MPH | 100.0 | 99.0 | 100.0 | 99.0 | 100.0 | 100.0 |
| DIRECTION | NUMBER OF VEHICLES | 150 | 221 | 132 | 221 | 18 | 30 |
| AVERAGE SPEED | NUMBER OF VEHICLES | 56.63 | 56.60 | 56.55 | 56.60 | 57.22 | 55.13 |
| DIRECTION | AVERAGE SPEED | 57.42 | 57.94 | 57.19 | 57.94 | 59.69 | 55.15 |
| DIRECTION | AVERAGE SPEED | 57.42 | 57.94 | 57.19 | 57.94 | 59.69 | 55.15 |

TABLE 20 SPEED DATA

STATION 24-79 HIGHWAY S.R. 25 LOCATION 0.7 mile south of Americus
 NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Clear
 THIS OBSERVATION DATE 8-22-77 PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
 DATE 8-26-76
 TIME 9:24 AM TIME 8:05 PM

| | | PASSENGER CARS | | | | | | TRUCKS | | | | | | | | |
|--|-------|----------------|-------|-------|-------------|-------|-------|-----------|-------|-------|------------|-------|-------|------------|-------|--|
| | | ALL INDIANA | | | NON-INDIANA | | | ALL PRES- | | | <5000 LBS. | | | >5000 LBS. | | |
| OBSERVATION | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | LAST | ENT | PRES- | |
| NUMBER OF VEHICLES | 387 | 307 | 387 | 291 | 16 | 82 | 139 | 61 | 61 | 21 | 78 | | | | PRES- | |
| AVERAGE SPEED (MPH) | 54.79 | 56.12 | 54.79 | 56.18 | 55.37 | 52.30 | 55.20 | 52.57 | 55.95 | 51.52 | 54.62 | | | | PRES- | |
| STANDARD DEVIATION | 5.919 | 5.316 | 5.919 | 5.295 | 5.818 | 5.356 | 5.140 | 5.359 | 4.181 | 5.400 | 5.739 | | | | PRES- | |
| 24 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | PRES- | |
| 29 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | PRES- | |
| 34 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | PRES- | |
| 39 MPH | 8 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | PRES- | |
| PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 69 MPH | 14.2 | 2.1 | 2.0 | 2.1 | 6.9 | 14.7 | 6.9 | 6.3 | 25.6 | 12.9 | 24.6 | 4.2 | 14.3 | 6.4 | PRES- | |
| VEHICLES TRAVELING AT OR LESS THAN 74 MPH | 50.4 | 36.2 | 50.4 | 36.1 | 50.7 | 36.1 | 50.7 | 37.5 | 70.7 | 38.8 | 70.5 | 34.4 | 71.4 | 42.3 | PRES- | |
| 79 MPH | 86.1 | 79.2 | 86.1 | 86.1 | 86.1 | 78.4 | 86.1 | 93.8 | 90.2 | 79.1 | 88.5 | 82.0 | 95.2 | 76.9 | PRES- | |
| 84 MPH | 94.8 | 95.1 | 94.8 | 94.8 | 95.2 | 95.2 | 95.2 | 93.8 | 98.8 | 98.4 | 98.4 | 100.0 | 98.7 | 98.7 | PRES- | |
| 89 MPH | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 93.8 | 100.0 | 99.3 | 100.0 | 98.4 | 100.0 | 100.0 | PRES- | |
| 94 MPH | 98.4 | 99.3 | 98.4 | 98.4 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | PRES- | |
| 99 MPH | 99.5 | 100.0 | 99.5 | 100.0 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | PRES- | |
| 104 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 | PRES- | |
| DIRECTION | 225 | 141 | 225 | 127 | 0 | 14 | 38 | 70 | 23 | 28 | 15 | 42 | | | PRES- | |
| NUMBER OF VEHICLES | 54.50 | 55.62 | 54.50 | 55.87 | 0 | 55.36 | 52.34 | 55.77 | 52.39 | 55.82 | 52.27 | 55.74 | | | PRES- | |
| AVERAGE SPEED | 55.19 | 56.40 | 55.19 | 56.19 | 56.41 | 56.41 | 56.41 | 55.50 | 52.27 | 54.62 | 52.68 | 56.06 | 49.67 | 53.31 | PRES- | |
| DIRECTION | 162 | 166 | 162 | 164 | 0 | 2 | 44 | 69 | 38 | 33 | 6 | 36 | | | PRES- | |
| NUMBER OF VEHICLES | 55.52 | 56.40 | 55.52 | 56.41 | 0 | 55.50 | 52.27 | 54.62 | 52.68 | 56.06 | 49.67 | 53.31 | | | PRES- | |
| AVERAGE SPEED | 55.19 | 56.19 | 55.19 | 56.19 | 0 | 55.19 | 52.19 | 54.19 | 52.19 | 54.19 | 52.19 | 54.19 | | | PRES- | |

TABLE _21_ SPEED DATA

STATION _2L=62_ HIGHWAY SR. 37
 NO. OF LANES _2_ TYPE OF SURFACE Asphalt
 THIS OBSERVATION DATE _8-11-77_
 TIME _11:16 AM - 2:13 PM_

LOCATION _1.4 miles north of S.R. 237

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. _)
 DATE _
 TIME _
 WEATHER Cloudy

| PASSENGER CARS | | | TRUCKS | | |
|---|---------|-------------|--------|------------|------------|
| ALL | INDIANA | NON-INDIANA | ALL | <5000 LBS. | >5000 LBS. |
| OBSERVATION | LAST | ENT | LAST | PRES- | PRES- |
| NUMBER OF VEHICLES | 0 | 244 | 0 | 21 | LAST |
| AVERAGE SPEED (MPH) | 0 | 53.71 | 0 | 53.48 | ENT |
| STANDARD DEVIATION | 0 | 5.933 | 0 | 5.773 | ENT |
| AT OR LESS THAN | 0 | 0 | 0 | 0 | LAST |
| PERCENT OF VEHICLES TRAVELING AT OR LESS THAN | 0 | 1.2 | 0 | 1.4 | ENT |
| PERCENT OF VEHICLES TRAVELING AT OR LESS THAN | 0 | 4.6 | 0 | 6.8 | ENT |
| VEHICLES TRAVELING AT OR LESS THAN | 0 | 23.4 | 0 | 24.0 | ENT |
| VEHICLES TRAVELING AT OR LESS THAN | 0 | 52.9 | 0 | 53.8 | ENT |
| VEHICLES TRAVELING AT OR LESS THAN | 0 | 84.4 | 0 | 85.5 | ENT |
| VEHICLES TRAVELING AT OR LESS THAN | 0 | 96.3 | 0 | 96.8 | ENT |
| VEHICLES TRAVELING AT OR LESS THAN | 0 | 99.6 | 0 | 100.0 | ENT |
| VEHICLES TRAVELING AT OR LESS THAN | 0 | 100.0 | 0 | 100.0 | ENT |
| VEHICLES TRAVELING AT OR LESS THAN | 0 | 100.0 | 0 | 100.0 | ENT |
| VEHICLES TRAVELING AT OR LESS THAN | 0 | 100.0 | 0 | 100.0 | ENT |
| VEHICLES TRAVELING AT OR LESS THAN | 0 | 100.0 | 0 | 100.0 | ENT |
| DIRECTION | 0 | 122 | 0 | 111 | ENT |
| NUMBER OF VEHICLES | 0 | 53.43 | 0 | 53.37 | ENT |
| AVERAGE SPEED | 0 | 54.09 | 0 | 52.09 | ENT |
| DIRECTION | 0 | 172 | 0 | 110 | ENT |
| NUMBER OF VEHICLES | 0 | 53.99 | 0 | 53.60 | ENT |
| AVERAGE SPEED | 0 | 57.58 | 0 | 53.18 | ENT |

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TABLE 22 SPEED DATA

STATION 2L-41 HIGHWAY S.R. 135 LOCATION 1.3 miles south of Stones Crossing
 NO. OF LANES 2 TYPE OF SURFACE Asphalt
 THIS OBSERVATION DATE 8-8-77
 TIME 77:70 AM - 7:20 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

WEATHER Cloudy

| PASSENGER CARS | | | TRUCKS | | |
|------------------------------------|---------|-------------|--------|------------|------------|
| ALL | INDIANA | NON-INDIANA | ALL | <5000 LBS. | >5000 LBS. |
| PRES- | PRES- | PRES- | PRES- | PRES- | PRES- |
| OBSERVATION | LAST | ENT | LAST | ENT | LAST |
| NUMBER OF VEHICLES | 0 | 308 | 0 | 292 | 0 |
| AVE. SPEED (MPH) | 0 | 56.14 | 0 | 56.12 | 0 |
| STANDARD DEVIATION | 0 | 5.809 | 0 | 5.854 | 0 |
| 24 MPH | 0 | 0 | 0 | 0 | 0 |
| 29 MPH | 0 | 0 | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 | 0 | 0 |
| 39 MPH | 0 | 0 | 0 | 0 | 0 |
| PERCENT OF | 0 | 3.2 | 0 | 3.4 | 0 |
| VEHICLES TRAVELING AT OR LESS THAN | 0 | 11.4 | 0 | 11.6 | 0 |
| 69 MPH | 0 | 35.4 | 0 | 35.3 | 0 |
| 59 MPH | 0 | 73.7 | 0 | 73.6 | 0 |
| 64 MPH | 0 | 93.8 | 0 | 93.8 | 0 |
| 74 MPH | 0 | 97.7 | 0 | 97.6 | 0 |
| 79 MPH | 0 | 99.4 | 0 | 99.3 | 0 |
| 84 MPH | 0 | 100.0 | 0 | 100.0 | 0 |
| 89 MPH | 0 | 100.0 | 0 | 100.0 | 0 |
| DIRECTION | 0 | 100.0 | 0 | 100.0 | 0 |
| NUMBER OF VEHICLES | 0 | 152 | 0 | 139 | 0 |
| AVERAGE SPEED | 0 | 56.80 | 0 | 56.73 | 0 |
| DIRECTION | 0 | 57.54 | 0 | 57.54 | 0 |
| NUMBER OF VEHICLES | 0 | 156 | 0 | 153 | 0 |
| AVERAGE SPEED | 0 | 55.49 | 0 | 55.56 | 0 |

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TABLE 23—SPEED DATA

STATION - 2L-47 - HIGHWAY U.S. 50
NO. OF LANES 2 - TYPE OF SURFACE

| | |
|------------------|-------------------------|
| THIS OBSERVATION | DATE 8-12-77 |
| | TIME 9:01 AM - 12:22 PM |

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. _____)
DATE _____
TIME _____

| PASSENGER CARS | | TRUCKS | | | | | | | | | |
|--|---|-----------|-------------|-------|------------|-------|-----|------------|-----|-------|-------|
| | | ALL PRES- | | | <2000 LBS. | | | >2000 LBS. | | | |
| OBSERVATION | | INDIANA | NON-INDIANA | PRES- | ENT | LASI | ENT | LASI | ENT | LASI | PRES- |
| NUMBER OF VEHICLES | 0 | 2.38 | 0 | 2.02 | 0 | 3.6 | 0 | 1.94 | 0 | 9.3 | 0 |
| AVE. SPEED (MPH) | 0 | 55.45 | 0 | 55.44 | 0 | 55.56 | 0 | 53.37 | 0 | 54.71 | 0 |
| STANDARD DEVIATION | 0 | 6.128 | 0 | 5.854 | 0 | 7.580 | 0 | 6.135 | 0 | 6.689 | 0 |
| 24 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 69 MPH | 0 | 4.2 | 0 | 3.5 | 0 | 8.3 | 0 | 6.7 | 0 | 7.2 | 0 |
| VEHICLES TRAVELING AT OR LESS THAN 74 MPH | 0 | 15.1 | 0 | 13.4 | 0 | 25.0 | 0 | 21.2 | 0 | 17.2 | 0 |
| DIRECTION NUMBER OF VEHICLES AVERAGE SPEED | 0 | 1.16 | 0 | 1.04 | 0 | 1.16 | 0 | 1.04 | 0 | 1.19 | 0 |
| DIRECTION NUMBER OF VEHICLES AVERAGE SPEED | 0 | 54.86 | 0 | 54.87 | 0 | 54.78 | 0 | 51.52 | 0 | 53.42 | 0 |
| DIRECTION NUMBER OF VEHICLES AVERAGE SPEED | 0 | 56.08 | 0 | 56.03 | 0 | 56.33 | 0 | 55.10 | 0 | 55.96 | 0 |
| DIRECTION NUMBER OF VEHICLES AVERAGE SPEED | 0 | 56.08 | 0 | 56.03 | 0 | 56.33 | 0 | 55.10 | 0 | 55.96 | 0 |

TABLE 24 SPEED DATA

STATION 2L-40 HIGHWAY S.R. 37 LOCATION 2.1 miles north of Queensville

NO. OF LANES 2 TYPE OF SURFACE Asphalt

THIS OBSERVATION DATE 8-15-77 TIME 11:24 AM - 1:40 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

WEATHER Cloudy

PASSENGER CARS

| | ALL | INDIANA | NONE INDIANA | ALL | PRES- | TRUCKS |
|------------------------------------|--------------------|---------|--------------|---------|---------|-------------|
| OBSERVATION | LAST | ENT | LAST | ENT | PRES- | LBS. |
| NUMBER OF VEHICLES | 0 271 | 0 257 | 0 14 | 0 174 | 0 90 | 25000 LBS. |
| AVERAGE SPEED (MPH) | 0 54.45 | 0 54.48 | 0 53.86 | 0 53.76 | 0 53.27 | 84-84- |
| STANDARD DEVIATION | 0 4.28 | 0 4.99 | 0 3.439 | 0 5.883 | 0 5.804 | 54-30-5.955 |
| -24 MPH | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | - |
| -29 MPH | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | - |
| -34 MPH | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | - |
| -39 MPH | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | - |
| PERCENT OF | 4.4 MPH | 0 1.1 | 0 1.2 | 0 0 | 0 6 | 0 1 |
| VEHICLES TRAVELING AT OR LESS THAN | 5.4 MPH | 0 13.3 | 0 13.2 | 0 14.3 | 0 21.8 | 0 22.2 |
| 5.9 MPH | 0 5.1 | 0 5.2 | 0 5.2 | 0 5.71 | 0 5.84 | 6.3-3 |
| 6.4 MPH | 0 8.5-2 | 0 8.4 | 0 8.4 | 0 100.0 | 0 83.9 | 87.8 |
| 6.9 MPH | 0 9.6-7 | 0 9.6-5 | 0 9.6-5 | 0 100.0 | 0 96.6 | 96.7 |
| 7.4 MPH | 0 9.6 | 0 9.6 | 0 9.6 | 0 100.0 | 0 99.4 | 98.9 |
| 7.9 MPH | 0 100.0 | 0 100.0 | 0 100.0 | 0 100.0 | 0 100.0 | 100.0 |
| 8.4 MPH | 0 100.0 | 0 100.0 | 0 100.0 | 0 100.0 | 0 100.0 | 100.0 |
| 8.9 MPH | 0 100.0 | 0 100.0 | 0 100.0 | 0 100.0 | 0 100.0 | 100.0 |
| DIRECTION | NUMBER OF VEHICLES | 0 149 | 0 145 | 0 4 | 0 82 | 0 40 |
| AVERAGE SPEED | 0 55.15 | 0 55.19 | 0 54.00 | 0 56.22 | 0 55.00 | 42-42- |
| DIRECTION | NUMBER OF VEHICLES | 0 122 | 0 112 | 0 10 | 0 92 | 0 50 |
| AVERAGE SPEED | 0 53.59 | 0 53.57 | 0 53.80 | 0 51.58 | 0 51.88 | 42-42- |

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TABLE 25 SPEED DATA

STATION 11-6 HIGHWAY 1-65

LOCATION Just east of White River

NO. OF LANES 6 TYPE OF SURFACE Concrete

WEATHER Cloudy

THIS OBSERVATION DATE 8-1-77
 TIME 10:29 AM - 10:58 AM - SB
 TIME 11:12 AM - 11:38 AM - NB

| OBSERVATION | LAST | PREVIOUS | | OBSERVATION (SPEED REPORT NO. 101) | | LAST | PREVIOUS | | OBSERVATION (SPEED REPORT NO. 101) | | |
|------------------------------------|--------------------|----------|-------|------------------------------------|-------|-------|----------|-------|------------------------------------|-------|-------|
| | | ENT | PRES | ENT | PRES | | ENT | PRES | ENT | PRES | |
| NUMBER OF VEHICLES | 275 | 306 | 229 | 268 | 46 | 18 | 161 | 130 | 80 | 59 | |
| AVERAGE SPEED (MPH) | 58.11 | 58.40 | 58.03 | 58.46 | 58.50 | 57.95 | 56.91 | 57.72 | 56.99 | 58.07 | |
| STANDARD DEVIATION | 5.00 | 4.00 | 5.07 | 4.53 | 4.68 | 5.00 | 5.00 | 5.00 | 5.197 | 4.960 | |
| 24 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 29 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 34 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 39 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| PERCENT OF | 4.6 MPH | 4 | 0 | 4 | 0 | 6 | 0 | 6 | 0 | 0 | |
| VEHICLES TRAVELING AT OR LESS THAN | 54 MPH | 22.1 | 17.6 | 22.3 | 17.5 | 21.7 | 18.4 | 24.8 | 22.3 | 31.3 | |
| 59 MPH | 61.5 | 62.7 | 62.9 | 61.9 | 61.9 | 54.3 | 68.4 | 70.8 | 65.4 | 68.1 | |
| 64 MPH | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | |
| 69 MPH | 97.8 | 98.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | |
| 74 MPH | 99.6 | 100.0 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| 79 MPH | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| 84 MPH | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| 89 MPH | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| DIRECTION | NUMBER OF VEHICLES | 143 | 156 | 114 | 138 | 29 | 18 | 76 | 64 | 38 | 38 |
| AVERAGE SPEED | 57.83 | 58.32 | 57.68 | 58.36 | 58.41 | 58.28 | 55.97 | 58.17 | 56.29 | 57.19 | 55.66 |
| DIRECTION | NUMBER OF VEHICLES | 132 | 150 | 115 | 130 | 17 | 0 | 82 | 66 | 42 | 43 |
| AVERAGE SPEED | 58.42 | 58.45 | 58.39 | 58.57 | 58.62 | 57.63 | 57.74 | 57.29 | 57.62 | 58.76 | 55.86 |

TABLE 26 SPEED DATA

STATION--U1=1 HIGHWAY I-94

LOCATION First bridge west of Burr Street.

NO. OF LANES 6 TYPE OF SURFACE Concrete

THIS OBSERVATION
DATE 7-20-77
TIME 10:47-11:17 AM - NB
11:46 AM - 12:14 PM - EB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
DATE 7-15-76
TIME 8:40-10:20 AM

WEATHER Clear

PASSENGER CARS

| OBSERVATION NUMBER OF VEHICLES | LAST ENT | ENT | LAST ENT | LAST ENT | ALL | | PRESSES | | TRUCKS | |
|-----------------------------------|-------------|-------|-------------|-------------|---------|-------------|-------------|-------------|-------------|-------------|
| | | | | | INDIANA | NON-INDIANA | LAST ENT | LAST ENT | LAST ENT | LAST ENT |
| 264 | 217 | 131 | 130 | 133 | 87 | 159 | 292 | 69 | 69 | 90 |
| 57,23 | 58,01 | 56,52 | 58,12 | 57,94 | 57,85 | 56,78 | 58,52 | 56,32 | 57,59 | 57,08 |
| 4.95 | 4.95 | 5.107 | 4.393 | 4.484 | 4.664 | 4.608 | 4.545 | 5.443 | 4.209 | 3.855 |
| 24 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 MPH | 4 | 5 | 2,8 | 0 | 0 | 1,1 | 0 | 0 | 0 | 0 |
| 4 MPH | 1,9 | 5 | 3,0 | 0 | 0 | 1,1 | 0 | 0 | 0 | 0 |
| 49 MPH | 5,2 | 3,2 | 7,6 | 3,8 | 3,4 | 8,8 | 3,1 | 1,3 | 1,5 | 1,1 |
| VEHICLES | 25,8 | 18,9 | 32,1 | 18,5 | 19,5 | 25,8 | 16,4 | 31,9 | 24,6 | 21,1 |
| TRAVELING | 67,4 | 65,0 | 74,1 | 66,9 | 60,9 | 62,1 | 7,4 | 56,8 | 72,5 | 6,9,6 |
| AT OR | 95,8 | 95,9 | 96,2 | 94,6 | 95,5 | 97,7 | 9,6,9 | 92,1 | 95,7 | 81,1 |
| LESS THAN | 99,6 | 99,1 | 99,2 | 99,2 | 100,0 | 98,9 | 100,0 | 98,6 | 98,2 | 81,1 |
| 74 MPH | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| 79 MPH | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| 84 MPH | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| 89 MPH | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| DIRECTION | | | | | | | | | | |
| NUMBER OF VEHICLE | 133 | 97 | 52 | 60 | 81 | 37 | 78 | 134 | 25 | 53 |
| AVERAGE SPEED | 57,53 | 58,43 | 57,12 | 58,87 | 57,80 | 57,73 | 57,12 | 59,31 | 56,64 | 58,78 |
| DIRECTION | | | | | | | | | | |
| NUMBER OF VEHICLE | 131 | 120 | 79 | 75 | 52 | 50 | 81 | 158 | 44 | 37 |
| AVERAGE SPEED | 56,93 | 57,67 | 56,17 | 57,49 | 58,15 | 57,94 | 56,26 | 57,97 | 56,20 | 56,70 |

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TABLE 27 SPEED DATA

STATION_UI-7----- HIGHWAY I-70
NO. OF LANES 6 ----- TYPE OF SURFACE
THIS OBSERVATION
DATE 8-4-77
TIME 10:56-11:27 AM - EB
11:59 AM - 12:49 PM - EB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE _____
TIME _____

| PASSENGER CARS | | TRUCKS | | | | | |
|------------------------------------|--------------------|---------|-------------|------------|-------|------------|-------|
| | | ALL | | <2000 LBS. | | >2000 LBS. | |
| OBSERVATION | PRES- | INDIANA | NON-INDIANA | PRES- | PRES- | PRES- | PRES- |
| NUMBER OF VEHICLES | 0 | 234 | 0 | 145 | 0 | 89 | 0 |
| AVERAGE SPEED (MPH) | 0 | 59 ± 19 | 0 | 58 ± 99 | 0 | 59 ± 52 | 0 |
| STANDARD DEVIATION | 0 | 5 ± 094 | 0 | 5 ± 323 | 0 | 4 ± 708 | 0 |
| -24 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -29 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -34 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -39 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PERCENT OF | 44 MPH | 0 | 4 | 0 | 0 | 1 ± 4 | 0 |
| VEHICLES TRAVELING AT OR LESS THAN | 54 MPH | 0 | 3 ± 0 | 0 | 3 ± 4 | 0 | 2 ± 2 |
| 59 MPH | 0 | 15 ± 4 | 0 | 15 ± 9 | 0 | 14 ± 6 | 0 |
| 64 MPH | 0 | 53 ± 8 | 0 | 56 ± 6 | 0 | 49 ± 4 | 0 |
| 69 MPH | 0 | 88 ± 5 | 0 | 86 ± 9 | 0 | 91 ± 0 | 0 |
| 74 MPH | 0 | 96 ± 6 | 0 | 95 ± 9 | 0 | 97 ± 8 | 0 |
| 79 MPH | 0 | 99 ± 1 | 0 | 98 ± 6 | 0 | 100 ± 0 | 0 |
| 84 MPH | 0 | 100 ± 0 | 0 | 100 ± 0 | 0 | 100 ± 0 | 0 |
| 89 MPH | 0 | 100 ± 0 | 0 | 100 ± 0 | 0 | 100 ± 0 | 0 |
| DIRECTION | NUMBER OF VEHICLES | 0 | 115 | 0 | 66 | 0 | 49 |
| AVERAGE SPEED | 0 | 61 ± 05 | 0 | 60 ± 94 | 0 | 61 ± 20 | 0 |
| DIRECTION | NUMBER OF VEHICLES | 0 | 119 | 0 | 79 | 0 | 40 |
| AVERAGE SPEED | 0 | 57 ± 39 | 0 | 57 ± 35 | 0 | 57 ± 45 | 0 |

TABLE 28 SPEED DATA

STATION - 11-5 HIGHWAY - I-465
 NO. OF LANES - 6 TYPE OF SURFACE Concrete
 THIS OBSERVATION DATE 8-17-77
 TIME - 9:57 TU:21 AM - EB
 10:46-11:16 AM - WB

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

WEATHER Hazy

| ALL PASSENGER CARS | | TRUCKS | |
|------------------------------------|--------------------|---------|---------|
| | | PRES- | PRES- |
| OBSERVATION | LASI | LAST | LAST |
| NUMBER OF VEHICLES | 0 244 | 0 190 | 0 54 |
| AVERAGE SPEED (MPH) | 0 59.50 | 0 59.12 | 0 60.85 |
| STANDARD DEVIATION | 0 4.982 | 0 5.103 | 0 4.345 |
| 24 MPH | 0 0 | 0 0 | 0 0 |
| 29 MPH | 0 0 | 0 0 | 0 0 |
| 34 MPH | 0 0 | 0 0 | 0 0 |
| 39 MPH | 0 0 | 0 0 | 0 0 |
| PERCENT OF | 0 4.4 MPH | 0 2.2 | 0 2.6 |
| VEHICLES TRAVELING AT OR LESS THAN | 54 MPH | 14.8 | 16.8 |
| AT OR LESS THAN | 59 MPH | 52.5 | 55.8 |
| 64 MPH | 86.5 | 88.4 | 79.6 |
| 69 MPH | 96.3 | 95.8 | 92.4 |
| 74 MPH | 99.2 | 98.9 | 98.1 |
| 79 MPH | 100.0 | 100.0 | 100.0 |
| 84 MPH | 100.0 | 100.0 | 100.0 |
| 89 MPH | 100.0 | 100.0 | 100.0 |
| DIRECTION | NUMBER OF VEHICLES | 0 117 | 0 95 |
| AVERAGE SPEED | 0 60.22 | 0 59.89 | 0 61.64 |
| DIRECTION | NUMBER OF VEHICLES | 0 127 | 0 95 |
| AVERAGE SPEED | 0 58.84 | 0 58.35 | 0 60.31 |
| | | 0 57.31 | 0 57.31 |
| | | 0 56.33 | 0 57.90 |

TABLE 29 SPEED DATA

| STATION--RIALL----- | HIGHWAY--Interstate | LOCATION--See individual station |
|--|--|----------------------------------|
| NO. OF LANES----- | TYPE OF SURFACE----- | WEATHER----- |
| THIS OBSERVATION DATE July-Sept. 1977 | LAST PREVIOUS OBSERVATION (SPEED REPORT No. 101) DATE April-June 1977 | TIME----- |
| TIME----- | TIME----- | TIME----- |

| PASSENGER CARS | | | TRUCKS | | |
|------------------------------|---------|-------------|---------|------------|------------|
| ALL | INDIANA | NON-INDIANA | ALL | <5000 LBS. | >5000 LBS. |
| OBSERVATION | LAST | ENT | LAST | ENT | PRES- |
| NUMBER OF VEHICLES | 0 1968 | 0 1130 | 0 838 | 0 442 | PRES- |
| AVE. SPEED (MPH) | 0 60.11 | 0 60.12 | 0 60.10 | 0 59.29 | PRES- |
| STANDARD DEVIATION | 0 5.092 | 0 5.325 | 0 4.764 | 0 5.010 | PRES- |
| 24 MPH | 0 0 | 0 0 | 0 0 | 0 0 | PRES- |
| 29 MPH | 0 0 | 0 0 | 0 0 | 0 0 | PRES- |
| 34 MPH | 0 0 | 0 0 | 0 0 | 0 0 | PRES- |
| 39 MPH | 0 0 | 0 0 | 0 0 | 0 0 | PRES- |
| PERCENT OF VEHICLES | 0 1 | 0 1 | 0 1 | 0 1 | PRES- |
| 54 MPH | 0 1.5 | 0 1.8 | 0 1.1 | 0 1.4 | PRES- |
| 59 MPH | 0 4.7 | 0 4.6 | 0 4.5 | 0 5.1 | PRES- |
| TRAVELING AT OR LESS THAN | 0 8.3 | 0 8.2 | 0 8.3 | 0 8.6 | PRES- |
| 69 MPH | 0 9.2 | 0 9.4 | 0 9.7 | 0 8.7 | PRES- |
| 74 MPH | 0 9.2 | 0 9.2 | 0 9.2 | 0 9.8 | PRES- |
| 79 MPH | 0 9.4 | 0 9.5 | 0 9.9 | 0 9.2 | PRES- |
| 84 MPH | 0 9.2 | 0 9.2 | 0 10.0 | 0 10.0 | PRES- |
| 89 MPH | 0 100.0 | 0 100.0 | 0 100.0 | 0 100.0 | PRES- |

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TABLE - 30 - SPEED DATA

STATION - 4 LANE
HIGHWAY - 4 Lane-Burial LOCATION See individual stations
NO. OF LANES -----
THIS OBSERVATION DATE July=Sept.-1977
TIME -----

TYPE OF SURFACE

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. - 101)
DATE April-June 1977
TIME -----

WEATHER

| OBSERVATION NUMBER OF VEHICLES | LAST ENT | PASSENGER CARS | | TRUCKS | |
|--------------------------------------|-------------|----------------|------------------|----------------------|---------|
| | | ALL PRES- | INDIANA PRES- | NON-INDIANA PRES- | PRES- |
| 44 MPH | 0 2 153 | 0 18 52 | 0 13 12 | 0 57 7 | 0 50 0 |
| 49 MPH | 0 57 18 | 0 57 03 | 0 58 10 | 0 56 18 | 0 53 5 |
| STANDARD DEVIATION | 0 5 580 | 0 5 589 | 0 5 438 | 0 5 909 | 0 6 074 |
| 24 MPH | 0 0 0 | 0 0 0 | 0 0 0 | 0 0 0 | 0 0 0 |
| 29 MPH | 0 0 0 | 0 0 0 | 0 0 0 | 0 0 0 | 0 0 0 |
| 34 MPH | 0 0 0 | 0 0 1 | 0 0 0 | 0 0 0 | 0 0 0 |
| 39 MPH | 0 1 0 | 0 1 2 | 0 0 0 | 0 0 2 | 0 0 1 |
| PERCENT OF VEHICLES | 44 MPH | 0 1 7 | 0 1 9 | 0 1 0 | 0 1 4 |
| TRAVELLING AT OR LESS THAN | 54 MPH | 0 7 5 | 0 8 0 | 0 4 0 | 0 4 2 |
| | 59 MPH | 0 2 9 1 | 0 3 0 1 | 0 2 3 3 | 0 3 5 6 |
| | 64 MPH | 0 6 8 5 | 0 6 9 2 | 0 6 4 1 | 0 7 0 9 |
| | 69 MPH | 0 9 1 6 | 0 9 2 3 | 0 8 7 7 | 0 7 5 4 |
| | 74 MPH | 0 9 8 1 | 0 9 8 3 | 0 9 7 3 | 0 9 4 7 |
| | 79 MPH | 0 9 9 6 | 0 9 9 7 | 0 9 9 3 | 0 9 8 8 |
| | 84 MPH | 0 9 9 2 | 0 9 9 9 | 0 9 9 7 | 0 9 9 7 |
| | 89 MPH | 0 100 0 | 0 100 0 | 0 100 0 | 0 100 0 |

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TABLE 31 SPEED DATA

STATION_2~~ALL~~_ HIGHWAY_2~~Lane~~_Rural LOCATION_See individual stations

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

THIS OBSERVATION
DATE July - Sept. 1977
TIME

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. -101)

WEATHER

TABLE 32 SPEED DATA

STATION WIALL HIGHWAY Interstate, LOCATION See individual stations
 NO. OF LANES Urban TYPE OF SURFACE
 THIS OBSERVATION DATE July-Sept., 1977
 TIME

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 101)
 DATE April-June 1977
 TIME

| | | PASSENGER CARS | | | TRUCKS | | | |
|------------------------------------|---------|----------------|---------|-------------|--------|------------|------------|---|
| | | ALL | INDIANA | NON-INDIANA | ALL | <5000 LBS. | >5000 LBS. | |
| OBSERVATION | LAST | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | |
| NUMBER OF VEHICLES | 0 | 1001 | 0 | 733 | 0 | 268 | 0 | |
| AVERAGE SPEED (MPH) | 58.77 | 6 | 58.68 | 0 | 59.02 | 0 | 58.06 | 0 |
| STANDARD DEVIATION | 0.4.784 | 0 | 4.832 | 0 | 4.042 | 0 | 4.961 | 0 |
| 24 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 29 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 34 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 39 MPH | 0 | 1 | 0 | 0 | 4 | 0 | 0 | |
| 44 MPH | 0 | 2 | 0 | 1 | 4 | 0 | 0 | |
| 49 MPH | 0 | 2.6 | 0 | 2.9 | 0 | 1.9 | 0 | |
| VEHICLES TRAVELING AT OR LESS THAN | 54 MPH | 0 | 16.7 | 0 | 17.2 | 0 | 15.3 | 0 |
| 59 MPH | 0 | 58.6 | 0 | 60.2 | 0 | 54.5 | 0 | |
| 64 MPH | 0 | 90.3 | 0 | 89.9 | 0 | 91.4 | 0 | |
| 69 MPH | 0 | 97.5 | 0 | 97.1 | 0 | 98.5 | 0 | |
| 74 MPH | 0 | 99.4 | 0 | 99.5 | 0 | 100.0 | 0 | |
| 79 MPH | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | |
| 84 MPH | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | |
| 89 MPH | 0 | 100.0 | 0 | 100.0 | 0 | 100.0 | 0 | |

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TABLE 33—SPEED DATA

| STATION <u>ALL</u> | | HIGHWAY <u>Indiana System</u> LOCATION <u>See individual stations</u> | NO. OF LANES | TYPE OF SURFACE | WEATHER | LAST OBSERVATION | PREVIOUS OBSERVATION (SPEED REPORT NO. <u> </u>) |
|--------------------|------------------------------------|---|------------------------------------|-----------------|---------|------------------|--|
| THIS | OBSERVATION | | | | | | |
| <u>TIME</u> | <u>DATE</u> <u>July-Sept. 1977</u> | <u>TIME</u> | <u>DATE</u> <u>April-June 1977</u> | | | | |

| PASSENGER CARS | | TRUCKS | | | | | | | | | | | | | | | | | |
|---|-------|--------|-------|-------|---------|-------|-------|-------------|-------|-------|-------|-------|-------|------------|-------|-------|------------|-----|--|
| | | ALL | | | INDIANA | | | NON-INDIANA | | | ALL | | | <5000 LBS. | | | >5000 LBS. | | |
| OBSERVATION | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | PRES- | | |
| NUMBER OF VEHICLES | 0 | 74 | 34 | 0 | 58 | 68 | 0 | 15 | 66 | 0 | 48 | 85 | 0 | 19 | 01 | 0 | 29 | 84 | |
| AVERAGE SPEED (MPH) | 0 | 57 | 78 | 0 | 57 | 43 | 0 | 59 | 10 | 0 | 56 | 36 | 0 | 56 | 36 | 0 | 57 | 38 | |
| STANDARD DEVIATION | 0 | 5 | 727 | 0 | 5 | 806 | 0 | 5 | 213 | 0 | 5 | 895 | 0 | 5 | 898 | 0 | 5 | 860 | |
| 24 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 29 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 34 MPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 39 MPH | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | |
| PERCENT OF VEHICLES TRAVELING AT OR LESS THAN | 44 | MPH | 0 | 1 | 4 | 0 | 1 | 6 | 0 | 5 | 0 | 3 | 0 | 0 | 4 | 0 | 0 | 8 | |
| 49 MPH | 0 | 0 | 6 | 4 | 0 | 7 | 3 | 0 | 3 | 1 | 0 | 10 | 2 | 0 | 2 | 6 | 0 | 3 | |
| 54 MPH | 0 | 0 | 2 | 6 | 2 | 0 | 28 | 6 | 0 | 17 | 2 | 29 | 9 | 0 | 11 | 6 | 0 | 9 | |
| 59 MPH | 0 | 0 | 6 | 1 | 0 | 6 | 1 | 0 | 6 | 0 | 3 | 8 | 0 | 6 | 7 | 0 | 7 | 2 | |
| 64 MPH | 0 | 0 | 8 | 9 | 2 | 0 | 9 | 0 | 5 | 0 | 8 | 6 | 5 | 0 | 9 | 2 | 0 | 6 | |
| 69 MPH | 0 | 0 | 9 | 7 | 3 | 0 | 9 | 7 | 2 | 0 | 9 | 2 | 0 | 0 | 9 | 2 | 8 | 4 | |
| 74 MPH | 0 | 0 | 9 | 4 | 0 | 9 | 3 | 0 | 9 | 2 | 0 | 9 | 2 | 0 | 9 | 2 | 0 | 9 | |
| 79 MPH | 0 | 0 | 9 | 8 | 0 | 9 | 8 | 0 | 9 | 8 | 0 | 9 | 8 | 0 | 9 | 6 | 0 | 9 | |
| 84 MPH | 0 | 0 | 9 | 2 | 0 | 9 | 9 | 0 | 9 | 9 | 0 | 10 | 0 | 0 | 9 | 9 | 0 | 10 | |
| 89 MPH | 0 | 0 | 10 | 0 | 0 | 9 | 9 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 10 | |

TABLE 34

Monitoring of Speed
(Statistical Summary) Quarterly Report--Calendar Quarter Ending September 30, 1977

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) | Percentile Speed (MPH) | Percent of Motorists Exceeding | | |
|-----------------------|-----------------------------|-----------------------------|--|---------------------|--------------------|------------------------|--------------------------------|--------|--------|
| | | | | | | | 55 MPH | 60 MPH | 65 MPH |
| Interstate Urban | 218 | 4 | 1831 | 4.0 | 58.4 | 58.0 | 62.5 | 75.5 | 32.8 |
| Interstate Rural | 849 | 8 | 3510 | 11.3 | 59.7 | 59.1 | 64.1 | 81.9 | 42.7 |
| Multi-lane, Divided | 657 | 8 | 3465 | 17.2 | 56.8 | 56.5 | 61.8 | 61.3 | 24.2 |
| Multi-lane, Undivided | | | (Included in multi-lane, divided classification) | | | | | | 47 |
| 2-Lane, Rural | 8030 | 8 | 3513 | 20.9 | 55.3 | 54.8 | 60.5 | 48.7 | 16.7 |
| State Total | 9754 | 28 | 12319 | 53.4 | 57.5 | 57.1 | 62.5 | 65.7 | 28.6 |

TABLE 35
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|-----------------------------|
| HIGHWAY CATEGORY | Interstate, Rural |
| STATION NUMBER | I-65 |
| LOCATION | 7.5 miles north of S.R. 160 |
| NUMBER OF SESSIONS | 1 |
| DATAS | 8-10-77 |
| VEHICLES MEASURED | 439 |
| AVERAGE SPEED (MPH) | 59.8 |
| STANDARD DEVIATION | 5.0 |
| MEDIAN SPEED (MPH) | 52.3 |
| 85TH PERCENTILE SPEED (MPH) | 64.4 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 82.5 |
| 60 MPH | 44.4 |
| 65 MPH | 6.5 |
| 70 MPH | 11.8 |

F.C.C.

TABLE 36
SPFED MONITORING STATION SUMMARY

| | |
|-----------------------------------|----------------------------------|
| HIGHWAY CATEGORY | Interstate, Rural |
| STATION NUMBER | I-21 |
| LOCATION | I-69; 1.6 miles south of S.R. 18 |
| NUMBER OF SESSIONS | 1 |
| DATES | 7-27-77 |
| VEHICLES MEASURED | 437 |
| AVERAGE SPEED (MPH) | 60.0 |
| STANDARD DEVIATION | 5.7 |
| MEDIAN SPEED (MPH) | 59.0 |
| 85TH PERCENTILE SPEED (MPH) | 64.6 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 79.9 |
| 60 MPH | 41.9 |
| 65 MPH | 13.7 |

F.C.
-3-

TABLE 37
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|---|
| HIGHWAY CATEGORY | Interstate, Rural |
| STATION NUMBER | RI-34 |
| LOCATION | I-65; 2.5 miles south of 1st bridge south of S.R. |
| NUMBER OF SESSIONS | 1 |
| DATES | 7-28-77 |
| VEHICLES MEASURED | 437 |
| AVERAGE SPEED (MPH) | <u>60±2</u> |
| STANDARD DEVIATION | <u>5±1</u> |
| MEDIAN SPEED (MPH) | <u>59±5</u> |
| 85TH PERCENTILE SPEED (MPH) | <u>64±4</u> |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | <u>82±4</u> |
| 60 MPH | <u>45±8</u> |
| 65 MPH | <u>65±12</u> |
| 70 MPH | <u>12±1</u> |

K.C.C.

TABLE -38-
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|---|
| HIGHWAY CATEGORY | Interstate, Urban |
| STATION NUMBER | R1-12 |
| LOCATION | I-74; 0.1 mile west of mile post marker 109 |
| NUMBER OF SESSIONS | 1 |
| DATES | 8-1-77 |
| VEHICLES MEASURED | 394 |
| AVERAGE SPEED (MPH) | 59.8 |
| STANDARD DEVIATION | 4.9 |
| MEDIAN SPEED (MPH) | 59.2 |
| 85TH PERCENTILE SPEED (MPH) | 64.3 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 82.0 |
| 60 MPH | 43.2 |
| 65 MPH | 10.4 |

F.C.C.

TABLE 39
SPFED MONITORING STATION SUMMARY

| | |
|-----------------------------------|---|
| HIGHWAY CATEGORY | Interstate, Rural |
| STATION NUMBER | I-70; 1.1 mi. W. of Wilbur Wright Road and New Lisbon |
| STATION LOCATION | Road between mile markers 129 and 130. |
| NUMBER OF SESSIONS | 1 |
| DATES | 8-2-77 |
| VEHICLES MEASURED | 447 |
| AVERAGE SPEED (MPH) | 59 ± 6 |
| STANDARD DEVIATION | 4 ± 2 |
| MEDIAN SPEED (MPH) | 59 ± 0 |
| 85TH PERCENTILE SPEED (MPH) | 64 ± 3 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 82 ± 3 |
| 60 MPH | 42 ± 1 |
| 65 MPH | 11 ± 6 |

NOTE: Station operated during nighttime hours.

TABLE 40
SPEED MONITORING STATION SUMMARY

| | | | |
|-----------------------------------|--|-----------------------------|------|
| HIGHWAY CATEGORY | Interstate, Rural | | |
| STATION NUMBER | RI-37 LOCATION I-74; 1.2 miles east of U.S. 41 | | |
| NUMBER OF SESSIONS | 1 DATS 8-16-77 VEHICLES MEASURED 431 | | |
| AVERAGE SPEED (MPH) | 58.9 | STANDARD DEVIATION | 5.0 |
| MEDIAN SPEED (MPH) | 58.4 | 85TH PERCENTILE SPEED (MPH) | 63.4 |
| PERCENTAGE OF VEHICLES EXCEEDING: | | | |
| 55 MPH | 77.3 | 60 MPH | 36.0 |
| 65 MPH | | | 7.4 |

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TABLE 41

SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|----------------------------------|
| HIGHWAY CATEGORY | Interstate, Rural |
| STATION NUMBER | R1-19 |
| LOCATION | I-69; 1.0 miles north of S.R. 13 |
| NUMBER OF SESSIONS | 1 |
| DATES | 8-2-77 |
| VEHICLES MEASURED | 434 |
| AVERAGE SPEED (MPH) | 59.5 |
| STANDARD DEVIATION | 5.1 |
| MEDIAN SPEED (MPH) | 59.1 |
| 85TH PERCENTILE SPEED (MPH) | 63.7 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 80.0 |
| 60 MPH | 41.9 |
| 65 MPH | 65.6 |
| 70 MPH | 10.6 |

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TABLE 42

SPEED MONITORING STATION SUMMARY

| HIGHWAY CATEGORY | Interstate, Rural |
|-----------------------------------|----------------------------------|
| STATION NUMBER | RI-14 |
| LOCATION | I-70; 1.3 miles east of U.S. 231 |
| NUMBER OF SESSIONS | 1 |
| DATES | 8-5-77 |
| VEHICLES MEASURED | 441 |
| AVERAGE SPEED (MPH) | 60.2 |
| STANDARD DEVIATION | 4.6 |
| MEDIAN SPEED (MPH) | 59.5 |
| 85TH PERCENTILE SPEED (MPH) | 64.2 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 85.7 |
| 60 MPH | 46.5 |
| 65 MPH | 64 |
| 70 MPH | 11.6 |

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TABLE 43
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|--|
| HIGHWAY CATEGORY | Multi-Lane, Divided (Rural) |
| STATION NUMBER | 4L-17 |
| LOCATION | U.S. 52; 150 feet east of County Road 475W |
| NUMBER OF SESSIONS | 1 |
| DATES | 7-18-77 |
| VEHICLES MEASURED | 428 |
| AVERAGE SPEED (MPH) | 56.4 |
| | STANDARD DEVIATION 6.0 |
| MEDIAN SPEED (MPH) | 56.1 |
| | 85TH PERCENTILE SPEED (MPH) 61.3 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 5 MPH | 58.6 |
| 60 MPH | 21.5 |
| 65 MPH | 4.9 |

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TABLE 44
SPEED MONITORING STATION SUMMARY

| HIGHWAY CATEGORY | Multi-Lane, Divided (Rural) |
|-----------------------------------|--|
| STATION NUMBER | 4L-32 |
| LOCATION U.S. | 30; 2.9 miles west of Wanatche city limit sign |
| NUMBER OF SESSIONS | 1 |
| DATES | 7-20-77 |
| VEHICLES MEASURED | 428 |
| AVERAGE SPEED (MPH) | 58.0 |
| STANDARD DEVIATION | 4.8 |
| MEDIAN SPEED (MPH) | 58.0 |
| 85TH PERCENTILE SPEED (MPH) | 62.3 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 71.5 |
| 60 MPH | 29.9 |
| 65 MPH | 6.5 |
| 70 MPH | 4.0 |

NOTE: Station operated during nighttime hours.

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TABLE 45

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY - Multi-Lane Divided (Rural)

STATION NUMBER - 4L-21 LOCATION U.S. 31; 1.1 mile south of S.R. 38

NUMBER OF SESSIONS 1 DATES 7-26-77 VEHICLES MEASURED 435

AVERAGE SPEED (MPH) 57.9 STANDARD DEVIATION 5.4

MEDIAN SPEED (MPH) 57.6 85TH PERCENTILE SPEED (MPH) 62.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH ----- 73.6 ----- 60 MPH ----- 29.4 ----- 65 MPH ----- 6.4 -----

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TABLE 46

SPEED MONITORING STATION SUMMARY

| HIGHWAY CATEGORY | MULTI-LANE, DIVIDED (RURAL) |
|-----------------------------------|---|
| STATION NUMBER | 4L-20 LOCATION U.S. 41; 1.1 miles south of S.R. 2 |
| NUMBER OF SESSIONS | 1 DAT IS 7-19-77 VEHICLES MEASURED 428 |
| AVERAGE SPEED (MPH) | 57.5 |
| STANDARD DEVIATION | 5.2 |
| MEDIAN SPEED (MPH) | 56.8 |
| 85TH PERCENTILE SPEED (MPH) | 62.7 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 65.0 |
| 60 MPH | 29.4 |
| 65 MPH | 7.2 |

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TABLE 47
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|-------------------------------------|
| HIGHWAY CATEGORY | Multi-Lane, Divided (Rural) |
| STATION NUMBER | 4L-22 |
| LOCATION | U.S. 31; 2.6 miles south of S.R. 26 |
| NUMBER OF SESSIONS | 1 |
| DATES | 7-25-77 |
| VEHICLES MEASURED | 425 |
| AVERAGE SPEED (MPH) | 58.0 |
| STANDARD DEVIATION | 4.8 |
| MEDIAN SPEED (MPH) | 57.3 |
| 85TH PERCENTILE SPEED (MPH) | 62.5 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 68.9 |
| 60 MPH | 27.8 |
| 65 MPH | 6.1 |

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TABLE 48-

SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|--|
| HIGHWAY CATEGORY | Multi-Lane, Divided (Rural) |
| STATION NUMBER | 4L-15 LOCATION U.S. 40; 4.4 miles east of S.R. 1 |
| NUMBER OF SESSIONS | 1 DATES 8-3-77 |
| VEHICLES MEASURED | 433 |
| AVERAGE SPEED (MPH) | <u>53±8</u> |
| STANDARD DEVIATION | <u>6±2</u> |
| MEDIAN SPEED (MPH) | <u>53±7</u> |
| 85TH PERCENTILE SPEED (MPH) | <u>59±6</u> |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | <u>39.5</u> |
| 60 MPH | <u>13.4</u> |
| 65 MPH | <u>3.2</u> |

F.C.C.

TABLE 49
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|--|
| HIGHWAY CATEGORY | Multi-Lane, Divided (Rural) |
| STATION NUMBER | 4L-33 LOCATION S.R. 2; 5.9 miles east of U.S. 20 |
| NUMBER OF SESSIONS | 1 DAT S 7-21-77 |
| VEHICLES MEASURED | 437 |
| AVERAGE SPEED (MPH) | 57.0 |
| STANDARD DEVIATION | 5.1 |
| MEDIAN SPEED (MPH) | 56.5 |
| 85TH PERCENTILE SPEED (MPH) | 61.5 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 63.4 |
| 60 MPH | 73.1 |
| 65 MPH | 83.2 |

TABLE 50
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|---|
| HIGHWAY CATEGORY | Multi-Lane, Divided (Rural) |
| STATION NUMBER | 4L-13 |
| LOCATION | U.S. 31; 1.0 miles north of New Whiteland |
| NUMBER OF SESSIONS | 1 |
| DATES | 8-9-77 |
| VEHICLES MEASURED | 451 |
| AVERAGE SPEED (MPH) | 55.8 |
| STANDARD DEVIATION | 6.0 |
| MEDIAN SPEED (MPH) | 52.1 |
| 85TH PERCENTILE SPEED (MPH) | 61.0 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 50.6 |
| 60 MPH | 19.7 |
| 65 MPH | 3.1 |

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TABLE 51
SPEED MONITORING STATION SUMMARY

| | | |
|-----------------------------------|---------------------------------|--------------------------------------|
| HIGHWAY CATEGORY | Two-Lane, Rural | |
| STATION NUMBER | 2L-18 | |
| LOCATION | U.S. 35; 2.5 miles east of I-69 | |
| NUMBER OF SESSIONS | 1 | DATES 7-27-77 |
| VEHICLES MEASURED | 427 | |
| AVERAGE SPEED (MPH) | 55.6 | STANDARD DEVIATION - 5.7 - |
| MEDIAN SPEED (MPH) | 55.2 | 85TH PERCENTILE SPEED (MPH) - 60.7 - |
| PERCENTAGE OF VEHICLES EXCEEDING: | | |
| 55 MPH | 51.5 | 60 MPH |
| | 17.8 | 65 MPH |
| | 4.4 | |

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TABLE 52
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|--|
| HIGHWAY CATEGORY | Two-Lane, Rural |
| STATION NUMBER | 2L-54 LOCATION U.S. 231; 1.1 miles south of S.R. 234 |
| NUMBER OF SESSIONS | 1 DATES 7-29-77 VEHICLES MEASURED 432 |
| AVERAGE SPEED (MPH) | 56.9 |
| MEDIAN SPEED (MPH) | 56.6 |
| PERCENTILE SPEED (MPH) | 62.7 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 60.4 |
| | 66 MPH |
| | 72.5 |
| | 65 MPH |
| | 7.9 |

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TABLE 53
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|---|
| HIGHWAY CATEGORY | Two-Lane, Rural |
| STATION NUMBER | 2L-91 LOCATION S.R. 43; 2.0 miles south of Chalmers |
| NUMBER OF SESSIONS | 1 DATES 8-18-77 |
| VEHICLES MEASURED | 451 |
| AVERAGE SPEED (MPH) | 57.0 |
| STANDARD DEVIATION | 6.8 |
| MEDIAN SPEED (MPH) | 55.8 |
| 85TH PERCENTILE SPEED (MPH) | 62.1 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 55.4 |
| 60 MPH | 23.3 |
| 65 MPH | 6.5 |
| 70 MPH | 8.0 |

NOTE: Station operated during nighttime hours.

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TABLE 54 -
SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY - Two-Lane, Rural
 STATION NUMBER - 2L-79 LOCATION - S.R. 25; 0.7 miles south of Americus --
 NUMBER OF SESSIONS 1. DATA - 7-22-77 VEHICLES MEASURED - 446 --
 AVERAGE SPEED (MPH) - 55.8 - STANDARD DEVIATION - 5.5 -
 MEDIAN SPEED (MPH) - 55.3 - 85TH PERCENTILE SPEED (MPH) - 59.9 -
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH - 52.7 - 60 MPH - 14.1 - 65 MPH - 3.4 -

TABLE 55
SPFED MONITORING STATION SUMMARY

| | |
|-----------------------------------|--------------------------------------|
| HIGHWAY CATEGORY | Two-Lane, Rural |
| STATION NUMBER | 2L-62 |
| LOCATION | S.R. 37; 1.4 miles north of S.R. 237 |
| NUMBER OF SESSIONS | 1 |
| DATES | 8-11-77 |
| VEHICLES MEASURED | 431 |
| AVERAGE SPEED (MPH) | 53.2 |
| STANDARD DEVIATION | 5.9 |
| MEDIAN SPEED (MPH) | 52.9 |
| 85TH PERCENTILE SPEED (MPH) | 58.7 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 36.0 |
| 60 MPH | 2.7 |
| 65 MPH | 2.3 |

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TABLE 56
SPEED MONITORING STATION SUMMARY

| | | | |
|--|----------------------------------|--------|------|
| HIGHWAY CATEGORY Two-Lane, Rural | | | |
| STATION NUMBER 2L-41 LOCATION S.R. 135; 1.3 miles south of Stones Crossing | | | |
| NUMBER OF SESSIONS 1 DATES 8-8-77 | VEHICLES MEASURED 449 | | |
| AVERAGE SPEED (MPH) 55.2 | STANDARD DEVIATION 6.0 | | |
| MEDIAN SPEED (MPH) 55.0 | 85TH PERCENTILE SPEED (MPH) 60.3 | | |
| PERCENTAGE OF VEHICLES EXCEEDING: | | | |
| 55 MPH | 49.7 | 60 MPH | 16.5 |
| | | 65 MPH | 3.8 |

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TABLE 57

SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|--|
| HIGHWAY CATEGORY | Two-Lane Rural |
| STATION NUMBER | <u>2L-47</u> |
| LOCATION | U.S. 50; 50 yards west of East County Line, Lawrence and Jackson Counties |
| NUMBER OF SESSIONS | <u>1</u> |
| DATES | <u>8-12-77</u> |
| VEHICLES MEASURED | <u>432</u> |
| AVERAGE SPEED (MPH) | <u>54.5</u> |
| STANDARD DEVIATION | <u>6.2</u> |
| MEDIAN SPEED (MPH) | <u>54.4</u> |
| 85TH PERCENTILE SPEED (MPH) | <u>59.8</u> |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | <u>46.8</u> |
| 65 MPH | <u>13.9</u> |
| 75 MPH | <u>3.5</u> |

C.R.
C.J.

TABLE -58-
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|--|
| HIGHWAY CATEGORY | Two-Lane, Rural |
| STATION NUMBER | 2L-40 |
| LOCATION | S.R. 37; 2.1 miles north of <u>Queensville</u> |
| NUMBER OF SESSIONS | 1 |
| DATES | 8-15-77 |
| VEHICLES MEASURED | 445 |
| AVERAGE SPEED (MPH) | <u>54.2</u> |
| STANDARD DEVIATION | <u>5.3</u> |
| MEDIAN SPEED (MPH) | <u>53.3</u> |
| 85TH PERCENTILE SPEED (MPH) | <u>59.1</u> |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | <u>37.1</u> |
| 60 MPH | <u>6.0</u> |
| 65 MPH | <u>10.3</u> |
| 70 MPH | <u>65</u> |
| 75 MPH | <u>2.0</u> |

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C72

TABLE 59

SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|------------------------------------|
| HIGHWAY CATEGORY | Interstate, Urban |
| STATION NUMBER | UI-6 |
| LOCATION | I-65; just east of the White River |
| NUMBER OF SESSIONS | 1 |
| DATES | 8-1-77 |
| VEHICLES MEASURED | 436 |
| AVERAGE SPEED (MPH) | 58.2 |
| STANDARD DEVIATION | 4.7 |
| MEDIAN SPEED (MPH) | 57.5 |
| 85TH PERCENTILE SPEED (MPH) | 62.4 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 74.1 |
| 60 MPH | 30.3 |
| 65 MPH | 6.5 |
| 70 MPH | 5.7 |

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TABLE 60
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|-----------------------------------|
| HIGHWAY CATEGORY | Interstate, Urban |
| STATION NUMBER | UI-1 |
| LOCATION | I-94; 1st bridge west of Burr St. |
| NUMBER OF SESSIONS | 1 |
| DATES | 7-20-77 |
| VEHICLES MEASURED | 509 |
| AVERAGE SPEED (MPH) | 58.3 |
| STANDARD DEVIATION | 4.5 |
| MEDIAN SPEED (MPH) | 58.2 |
| 85TH PERCENTILE SPEED (MPH) | 62.1 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 76.6 |
| 60 MPH | 32.4 |
| 65 MPH | 4.5 |

TABLE 61

SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|--------------------------|
| HIGHWAY CATEGORY | Interstate, Urban |
| STATION NUMBER | I-70 |
| LOCATION | 0.85 miles east of I-465 |
| NUMBER OF SESSIONS | 8-4-77 |
| DATES | VEHICLES MEASURED |
| AVERAGE SPEED (MPH) | 58 ± 4 |
| STANDARD DEVIATION | 5 ± 2 |
| MEDIAN SPEED (MPH) | 57 ± 8 |
| 85TH PERCENTILE SPEED (MPH) | 62 ± 8 |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | 75 ± 1 |
| 60 MPH | 31 ± 7 |
| 65 MPH | 6 ± 8 |

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TABLE -62-
SPEED MONITORING STATION SUMMARY

| | |
|-----------------------------------|--|
| HIGHWAY CATEGORY | Interstate, Urban |
| STATION NUMBER | <u>UI-5</u> |
| LOCATION | <u>I-465; 2.85 miles west of U.S. 31</u> |
| NUMBER OF SESSIONS | <u>1</u> |
| DATES | <u>8-17-77</u> |
| VEHICLES MEASURED | <u>444</u> |
| AVERAGE SPEED (MPH) | <u>58.8</u> |
| STANDARD DEVIATION | <u>5.1</u> |
| MEDIAN SPEED (MPH) | <u>58.3</u> |
| 85TH PERCENTILE SPEED (MPH) | <u>62.9</u> |
| PERCENTAGE OF VEHICLES EXCEEDING: | |
| 55 MPH | <u>76.1</u> |
| 60 MPH | <u>36.7</u> |
| 65 MPH | <u>8.1</u> |