

TRAFFIC SPEED REPORT No.58

APRIL-1956

No. 18

**Joint
Highway
Research
Project**

**PURDUE UNIVERSITY
LAFAYETTE INDIANA**

by

F.M.Holloway

TRAFFIC SPEED REPORT NO. 58

TO: K. B. Woods, Director
Joint Highway Research Project

FROM: Harold L. Michael, Assistant Director

April 19, 1956

File: 8-1-1
C-36-10

Attached is "Traffic Speed Report No. 58," which contains data collected during the past few months at several locations near Lafayette, Indiana. The report has been prepared by Mr. F. M. Holloway, Research Engineer on our staff.

This report indicates that there has been a slight increase in the average speed of passenger cars, while average speeds for trucks are almost the same as speeds during the summer of 1955.

Respectfully submitted,

Harold L. Michael

Harold L. Michael, Assistant Director
Joint Highway Research Project

HLM:ejg

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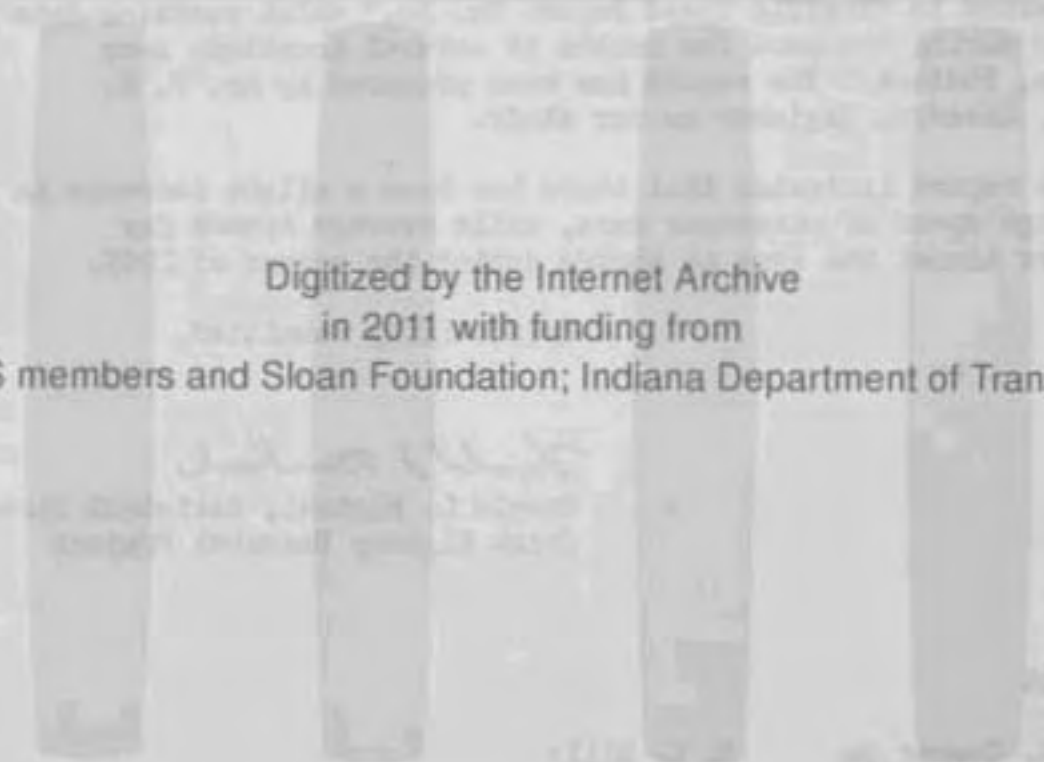
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TRAFFIC SPEED REPORT NO. 58

by

F. M. Holloway

Research Engineer

Joint Highway Research Project

File: 8-1-1

C-36-10

Purdus University

Lafayette, Indiana

April 19, 1956

TRAFFIC SPEED REPORT NO. 58

This report covers spot speed observations made during February, 1956. These data were collected by R. J. Henning, M. O. Reed, and the writer. All observations are for free-moving vehicles on level, tangent sections of rural highways. Locations observed were:

1. U.S. 52 - 1.0 miles south of Jct. S. R. 28 (dual lanes)
2. U.S. 52 - 1.0 miles west of Klondike (dual lanes)
3. U.S. 52 - 2.2 miles northwest of Templeton (2 lane)
4. U.S. 42 - 1.0 miles north of Boswell (2 lane)
5. U.S. 31 - 7.2 miles north of Perrysburg (2 lane)
6. S.R. 25 - 1.0 miles south of Americus (2 lane)

Before the speed indicator was used for the present study, it was thoroughly checked for accuracy in the field. The speed indicator was calibrated and adjustments made until it was clearly indicated that speeds could be observed and adjusted to the correct speed in the range of 20 to 80 miles per hour.

In order to facilitate comparisons between the present and the last five previous observations, the summary of results are given in Table I. Indiana state law limits the speed of passenger cars and trucks weighing less than 5,000 pounds to 65 miles per hour while trucks weighing more than 5,000 pounds are limited to 45 miles per hour. For this reason the truck speeds are divided into three groups, light trucks, heavy trucks, and all trucks. Because it is impractical to accurately ascertain the exact weight of each truck, panel and pickup types are classed as less than 5,000 pounds while dual tired and semi-trailer types are classed as weighing over 5,000 pounds.

In order to facilitate comparison between the present and the last

previous observation at a given location, the summary of results are presented in tabular form. For locations 3 and 5, December, 1954 observations are used while for the other four locations, July, 1955 observations are used. It should also be noted that station 3 has been moved northwesterly approximately one mile because the new construction at the old location makes it impractical to use that location.

An apparent increase in the average speeds of practically all types of vehicles on both two-lane and four-lane highways was noted during this study. Indiana passenger cars increased their average speeds from 53.8 mph to 54.9 mph on two-lane highways and from 54.5 mph to 58.1 mph on four-lane highways. Passenger cars from other states showed a similar increase in speeds over the study taken in July 1955. These speeds increased from 55.7 mph to 58.0 mph on two-lane highways and from 56.6 mph to 60.1 mph on four-lane highways.

Light trucks showed a very slight increase that amounted to 0.9 mph on two-lane highways and only 0.3 mph on four-lane. Heavy trucks on two-lane highways are the only class of vehicles that had a decrease in average speed. This decrease was 2.3 mph. However, on four-lane highways, heavy truck speeds increased 1.3 mph.

The increase in speed of all passenger cars amounted to approximately 1.6 mph to a high of 56.8 mph. Although most truck speeds increased slightly, the decrease of heavy trucks on two-lane highways was sufficient to make the average speed for all trucks on all highways decrease 0.3 mph to 44.9 mph.

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| U. S. 31 - 7.2 Miles North of Perrysburg | 6 |
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Table 1

SUMMARY OF SPOT SPEED OBSERVATIONS ON INDIANA HIGHWAYS

(Free-Moving Vehicles on Level, Tangent Sections)

| | | Passenger Cars | | | | Trucks | | |
|-----------------------|----------|----------------|-------------------|--------------|-----------------|----------------|----------------|--------------|
| | | Ind., Mean | Non-Ind., Mean | All, Mean | All, 85-Per. | Light, Mean | Heavy, Mean | All, Mean |
| Two-Lane Highways | Dec. '53 | 51.5 | 55.9 | 53.2 | 61.6 | 44.0 | 42.2 | 43.0 |
| | Apr. '54 | 53.6 | 56.5 | 54.8 | 63.6 | 44.8 | 42.9 | 43.7 |
| | Aug. '54 | 55.0 | 56.8 | 55.7 | 63.8 | 49.9 | 46.0 | 47.1 |
| | Dec. '54 | 52.0 | 54.1 | 52.8 | 59.8 | 48.2 | 44.4 | 45.2 |
| | July '55 | 53.8 | 55.7 | 54.5 | 64.8 | 46.2 | 45.5 | 45.6 |
| | Feb. '56 | 54.9 | 58.0 | 55.9 | 63.2 | 47.1 | 43.2 | 44.4 |
| Four-Lane Highways | Dec. '53 | 52.1 | 55.8 | 53.4 | 61.5 | 44.7 | 40.1 | 41.6 |
| | Apr. '54 | 56.4 | 58.8 | 57.3 | 66.0 | 43.7 | 41.7 | 42.2 |
| | Aug. '54 | 55.5 | 58.2 | 56.6 | 65.0 | 52.1 | 45.6 | 47.1 |
| | Dec. '54 | 54.2 | 55.7 | 54.7 | 60.4 | 47.1 | 43.6 | 44.3 |
| | July '55 | 54.5 | 56.6 | 55.2 | 63.7 | 47.5 | 43.9 | 44.8 |
| | Feb. '56 | 58.1 | 60.1 | 58.7 | 65.7 | 47.8 | 45.2 | 45.8 |
| All Highways | Dec. '53 | 51.7 | 55.9 | 53.3 | 61.6 | 44.2 | 41.4 | 42.6 |
| | Apr. '54 | 54.6 | 57.3 | 55.6 | 64.4 | 44.5 | 42.5 | 43.3 |
| | Aug. '54 | 55.1 | 57.3 | 56.0 | 64.2 | 50.5 | 45.9 | 47.1 |
| | Dec. '54 | 52.7 | 54.5 | 53.4 | 59.3 | 47.8 | 44.0 | 44.8 |
| | July '55 | 54.1 | 56.6 | 55.2 | 64.3 | 46.9 | 44.7 | 45.2 |
| | Feb. '56 | 56.0 | 58.6 | 56.8 | 63.8 | 47.3 | 44.0 | 44.9 |

APPENDIX

Truck types are classified as follows:

| | |
|---------|---|
| 2P | 2 Axis panel or pickup |
| 2S | 2 Axis, 4 tired other than 2P |
| 2D | 2 Axis, 6 tired |
| 3 | 3 Axis single unit |
| 2-S-1 | 2 Axis tractor-truck with 1 axis semitrailer |
| 2-S-2 | 2 Axis tractor-truck with 2 axis semitrailer |
| 2-2 | 2 Axis tractor-truck pulling 2 axis full trailer |
| 2-S-1-2 | 2 Axis tractor-truck with 1 axis semitrailer and a 2 axis full trailer |
| 3-3 | 3 Axis truck pulling 3 axis full trailer |
| 3-S2-2 | 3 Axis tractor-truck with a 2 axis semitrailer and a 2 axis trailer |

Body Type Code:

| | |
|-----|---|
| CO | Covered, box, closed, delivery, panel, screen, top, van |
| FL | Platform, flat bed |
| ST | Stake, grate, rack |
| TA | Tank |
| OP | Open, pickup |
| REF | Refrigerator |
| AC | Autocarrier |
| DP | Dump |
| LI | Lime spreader |
| BL | Not reportable in any of above classification |

TABLE 2 SPREAD DATA

Station U. S. 52 1.0 Mi. South of S. Jct. S. R. 28

Surface 2 1/2 P.B. - P.C.C. S.B. - Bit. Conc. (Divided Lanes) Weather Clear
 Last Previous Observation (Speed Report No. 56)
 Date July 11, 1955
 Time 12:48 P.M. - 1:52 P.M.

Traffic Observation
 Date Feb. 13, 1956
 Time 10:45 A.M. - 11:45 P.M.

| OBSERVATION | PASSENGER CARS | | | | | | | | | | TRUCKS | | | | BUSES | |
|----------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------|--------------|---------------------|--------------|--------------|--------------|--------------|--|
| | All | | Indiana | | Non-Indiana | | All | | Less than 5000 pounds | | 5000 pounds or more | | All | | | |
| | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | |
| No. of Vehicles Obs. | 408 | 157 | 174 | 236 | 274 | 121 | 92 | 140 | 19 | 29 | 73 | 111 | 2 | 3 | | |
| Ave. Speed (m.p.h.) | 59.3 | 56.9 | 59.2 | 56.1 | 59.2 | 56.6 | 66.7 | 66.8 | 43.8 | 49.8 | 46.2 | 43.7 | 53.5 | 50.3 | | |
| 45 m.p.h. | — | — | — | — | — | — | 60.9 | 60.7 | 63.4 | 62.1 | 59.9 | 55.1 | 60.0 | 56.7 | | |
| 50 m.p.h. | 90.9 | 86.3 | 91.4 | 83.9 | 90.6 | 90.9 | 60.2 | 60.2 | 61.2 | 66.8 | 64.2 | 65.2 | 50.0 | 66.7 | | |
| 55 m.p.h. | 76.7 | 66.9 | 77.0 | 62.7 | 76.5 | 75.2 | 7.6 | 9.6 | 15.8 | 17.9 | 5.5 | 0.9 | 50.0 | 33.3 | | |
| 60 m.p.h. | 49.3 | 43.1 | 43.3 | 39.0 | 50.0 | 51.2 | 1.1 | 5.0 | 5.3 | 24.1 | 0 | 0 | 50.0 | 0 | | |
| 65 m.p.h. | 25.0 | 9.7 | 24.7 | 6.4 | 25.2 | 13.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 70 m.p.h. | 6.9 | 2.0 | 7.5 | 2.1 | 6.4 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 75 m.p.h. | 1.0 | 0 | 0.0 | 0 | 1.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| No. of Vehicles Obs. | 198 | 172 | 95 | 124 | 103 | 48 | 52 | 78 | 8 | 10 | 64 | 68 | 0 | 0 | | |
| Ave. Speed (m.p.h.) | 59.2 | 57.0 | 59.0 | 56.1 | 59.5 | 59.3 | 67.8 | 65.1 | 63.3 | 65.5 | 67.7 | 65.0 | 0 | 0 | | |
| Max. Speed (m.p.h.) | — | — | 77 | 68 | 79 | 71 | — | — | 59 | 62 | 58 | 58 | 0 | 0 | | |
| State or Type | — | — | — | — | Ill. | Ill., Ohio | — | — | 2P OP | 2P | 252.1P | 2P | — | — | | |
| Min. Speed (m.p.h.) | — | — | 33 | 38 | 41 | 47 | — | — | 33 | 37 | 37 | 36 | 0 | 0 | | |
| State or Type | — | — | — | — | Ill. | Ill. | — | — | 2P OP | 2P | 2P.5T | 2P | — | — | | |
| No. of Vehicles Obs. | 210 | 185 | 79 | 112 | 131 | 77 | 40 | 62 | 11 | 19 | 79 | 43 | 3 | 3 | | |
| Ave. Speed (m.p.h.) | 59.3 | 56.8 | 59.5 | 56.0 | 59.2 | 52.1 | 45.3 | 46.6 | 49.2 | 50.5 | 43.8 | 41.7 | 53.5 | 50.3 | | |
| Max. Speed (m.p.h.) | — | — | 74 | 70 | 75 | 69 | — | — | 60 | 62 | 55 | 51 | 60 | 55 | | |
| State or Type | — | — | — | — | Ill. | Ill. | — | — | 2P OP | 2P | 2P.00 | 252 | — | — | | |
| Min. Speed (m.p.h.) | — | — | 44 | 36 | 38 | 42 | — | — | 36 | 31 | 29 | 27 | 47 | 44 | | |
| State or Type | — | — | — | — | Ill. | Ohio | — | — | 2P OP | 2P | 2P.5T | 251 | — | — | | |

TABLE 3
SPEED DATA

Station U.S. 52 1.0 Mi. West of Mondvik

Surface 24" Portland Cement Concrete (Divided Lanes)

Weather Clear

Last Previous Observation (Speed Report No. 56)

Date Feb. 23 and 29, 1956

Date June 13, 1955

Time 8:30 - 10:20 A.M. & 1:40 - 3:30 P.M.

Time 12:30 P.M. - 3:30 P.M.

| SAMPLING | PASSENGER CARS | | | | TRUCKS | | | | BUSES | | | |
|--------------------|----------------|--------------|--------------|--------------|--------------|--------------|-----------------------|--------------|---------------------|--------------|-------|------|
| | All | | Non-Indians | | All | | Less than 5000 pounds | | 5000 pounds or more | | | |
| | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | Last Present | | |
| 20% of 15-20 mph | 425 | 278 | 168 | 74 | 75 | 151 | 23 | 33 | 52 | 110 | 3 | 1 |
| 20% of 20-25 mph | 52.6 | 59.9 | 54.4 | 62.5 | 62.6 | 65.7 | 49.4 | 47.0 | 60.7 | 60.2 | 50.3 | 38.0 |
| 20% of 25-30 mph | 72.2 | 92.6 | 82.1 | 94.5 | 83.3 | 96.2 | 78.3 | 53.5 | 75.0 | 67.8 | 100.0 | 0 |
| 20% of 30-35 mph | 46.4 | 77.2 | 53.0 | 85.5 | 5.3 | 7.9 | 30.4 | 45.5 | 7.7 | 37.3 | 66.7 | 0 |
| 20% of 35-40 mph | 13.2 | 63.6 | 18.5 | 75.7 | 1.3 | 3.3 | 13.0 | 18.2 | 1.9 | 5.1 | 0 | 0 |
| 20% of 40-45 mph | 2.4 | 12.4 | 5.4 | 40.5 | 0 | 4.3 | 4.3 | 12.1 | 0 | 0.8 | 0 | 0 |
| 20% of 45-50 mph | 0.5 | 7.4 | 1.2 | 12.2 | 0 | 0 | 0 | 3.0 | 0 | 0.9 | 0 | 0 |
| 20% of 50-55 mph | 0 | 0.9 | 0 | 2.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20% of 55-60 mph | 21.0 | 149 | 83 | 40 | 41 | 65 | 11 | 12 | 30 | 53 | 1 | 0 |
| 20% of 60-65 mph | 50.5 | 58.9 | 50.5 | 60.4 | 40.0 | 46.9 | 46.4 | 48.9 | 37.7 | 46.5 | 50.0 | — |
| 20% of 65-70 mph | — | — | 74 | 71 | — | — | 59 | 68 | 45 | 65 | 75 | — |
| 20% of 70-75 mph | — | — | 111 | 111 | — | — | 2P OP | 2P | 252.0 | 20 | — | — |
| 20% of 75-80 mph | — | — | 31 | 35 | — | — | 28 | 34 | 24 | 24 | 51 | — |
| 20% of 80-85 mph | — | — | 110 | 7 | — | — | 2P OP | 2P | 20.5T | 20 | — | — |
| 20% of 85-90 mph | 21.5 | 163 | 35 | 34 | 34 | 36 | 12 | 21 | 22 | 65 | 2 | 1 |
| 20% of 90-95 mph | 56.7 | 12.9 | 50.8 | 95.1 | 45.4 | 40.6 | 46.3 | 45.9 | 44.8 | 46.9 | 50.5 | 38.0 |
| 20% of 95-100 mph | — | — | 70 | 75 | — | — | 63 | 60 | 50 | 54 | 52 | 18 |
| 20% of 100-105 mph | — | — | 111 | 111 | — | — | 2P OP | 2P OP | 20.5T | 102.20 | — | — |
| 20% of 105-110 mph | — | — | 25 | 47 | — | — | 26 | 29 | 37 | 32 | 42 | 18 |
| 20% of 110-115 mph | — | — | 111 | 7 | — | — | 2P OP | 2P 5T | 20.5T | 20.5T | — | — |

Station U. S. 41 1.5 Miles North of Roswell

Surface 22.5' Portland Cement Concrete

Weather Cloudy

Last Previous Observation (Speed Report No. 56)

This Observation

Date February 10, 1956

Date July 8, 1955

Time 10:30 A.M. - 2:30 P.M.

Time 12:35 P.M. - 3:45 P.M.

| Observation | PASSENGER CARS | | | | | | | | | | TRUCKS | | | | | | BUSES | | | |
|----------------------|----------------|---------|--------------------|---------|---------|--------------------|-------------|---------|--------------------|------|---------|--------------------|-----------------------|---------|--------------------|---------------------|---------|--------------------|------|---------|
| | All | | | Indiana | | | Non-Indiana | | | All | | | Less than 5000 pounds | | | 5000 pounds or more | | | All | |
| | Last | Present | Av. Speed (m.p.h.) | Last | Present | Av. Speed (m.p.h.) | Last | Present | Av. Speed (m.p.h.) | Last | Present | Av. Speed (m.p.h.) | Last | Present | Av. Speed (m.p.h.) | Last | Present | Av. Speed (m.p.h.) | Last | Present |
| No. of Vehicles Obs. | 391 | 360 | | 153 | 176 | | 228 | 184 | | 104 | 140 | | 16 | 59 | | 88 | 81 | | 0 | 0 |
| Ave. Speed (m.p.h.) | 54.7 | 58.0 | | 53.5 | 56.7 | | 55.6 | 59.4 | | 45.7 | 45.0 | | 44.5 | 45.0 | | 45.0 | 45.1 | | - | - |
| 45 m.p.h. | 75.2 | 86.9 | | 88.1 | 80.1 | | 85.3 | 95.5 | | 26.9 | 24.3 | | 31.2 | 30.5 | | 26.1 | 19.8 | | - | - |
| 50 m.p.h. | 50.6 | 71.7 | | 44.2 | 65.3 | | 55.3 | 77.7 | | 9.6 | 7.1 | | 0 | 11.9 | | 11.4 | 3.7 | | - | - |
| 55 m.p.h. | 26.6 | 43.9 | | 25.2 | 43.7 | | 31.1 | 53.8 | | 1.9 | 0.7 | | 0 | 1.7 | | 2.3 | 0 | | - | - |
| 60 m.p.h. | 12.8 | 30.3 | | 12.3 | 21.0 | | 13.2 | 19.6 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | - | - |
| 65 m.p.h. | 2.1 | 1.9 | | 1.8 | 1.7 | | 2.6 | 2.2 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | - | - |
| 70 m.p.h. | 0.5 | 0.3 | | 0.6 | 0 | | 0.4 | 0.5 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | - | - |
| 75 m.p.h. | 218 | 142 | | 84 | 75 | | 134 | 67 | | 47 | 63 | | 11 | 27 | | 36 | 36 | | - | - |
| No. of Vehicles Obs. | 55.1 | 57.7 | | 53.9 | 56.7 | | 55.9 | 58.9 | | 42.5 | 45.1 | | 44.0 | 45.8 | | 43.9 | 44.6 | | - | - |
| Ave. Speed (m.p.h.) | | | | 78 | 70 | | 79 | 69 | | | | | 54 | 56 | | 59 | 58 | | - | - |
| Max. Speed (m.p.h.) | | | | | | | Ill. | Ill. | | | | | 2P | QP | | 2D | ST | | - | - |
| State or Type | | | | 29 | 34 | | Ill. | Ill. | | | | | 32 | 31 | | 32 | 32 | | - | - |
| Ave. Speed (m.p.h.) | | | | | | | Ill. | Ill. | | | | | 2P | OP | | 282 | H | | - | - |
| Max. Speed (m.p.h.) | 173 | 218 | | 79 | 101 | | 94 | 117 | | 57 | 77 | | 5 | 32 | | 52 | 45 | | - | - |
| State or Type | | | | 53.1 | 56.7 | | 55.2 | 60.0 | | 47.2 | 45.9 | | 45.6 | 44.4 | | 47.4 | 45.4 | | - | - |
| No. of Vehicles Obs. | 54.2 | 51.3 | | 71 | 71 | | 71 | 88 | | | | | 52 | 61 | | 63 | 56 | | - | - |
| Ave. Speed (m.p.h.) | | | | | | | Ill. | Ill. | | | | | 2P | OP | | 2D | ST | | - | - |
| Max. Speed (m.p.h.) | | | | 32 | 34 | | Ill. | Ill. | | | | | 31 | 25 | | 33 | 29 | | - | - |
| State or Type | | | | | | | Ill. | Ill. | | | | | 2P | OP | | 2D | ST | | - | - |
| No. of Vehicles Obs. | | | | | | | Ill. | Ill. | | | | | 2P | OP | | 2D | ST | | - | - |
| Ave. Speed (m.p.h.) | | | | | | | Ill. | Ill. | | | | | 2P | OP | | 2D | ST | | - | - |
| Max. Speed (m.p.h.) | | | | | | | Ill. | Ill. | | | | | 2P | OP | | 2D | ST | | - | - |
| State or Type | | | | | | | Ill. | Ill. | | | | | 2P | OP | | 2D | ST | | - | - |

TABLE 6 SPEED DATA

Station U.S. 31 7.2 Miles North of Perryburg Weather Partly Cloudy
 Surface 22.5' P.C.C. Resurfaced with Bituminous material Last Previous Observation (Speed Report No. 55)
 This Observation Date February 15, 1956 Time 11:00 A.M. - 3:00 P.M.
 Date December 31, 1954 Time 10:00 A.M. - 2:50 P.M.

| OBSERVATION | PASSENGER CARS | | | | | | TRUCKS | | | | | | BUSES | |
|----------------------|----------------|---------|---------|---------|-------------|---------|--------|---------|-----------------------|---------|---------------------|---------|-------|---------|
| | All | | Indiana | | Non-Indiana | | All | | Less than 5000 pounds | | 5000 pounds or more | | All | |
| | Last | Present | Last | Present | Last | Present | Last | Present | Last | Present | Last | Present | Last | Present |
| No. of Vehicles Obs. | 430 | 388 | 339 | 315 | 91 | 73 | 74 | 109 | 32 | 41 | 42 | 68 | 1 | 2 |
| Avg. Speed (m.p.h.) | 53.4 | 53.8 | 53.0 | 53.3 | 55.2 | 56.2 | 47.5 | 44.2 | 58.7 | 46.1 | 45.1 | 43.1 | 46 | 52.5 |
| 45 m.p.h. | — | — | — | — | — | — | 69.9 | 34.9 | 81.2 | 43.9 | 59.5 | 29.4 | 100.0 | 50.0 |
| 50 m.p.h. | 75.3 | 74.7 | 70.5 | 72.1 | 93.4 | 86.3 | 37.8 | 14.7 | 59.4 | 31.7 | 21.4 | 4.4 | 0 | 50.0 |
| 55 m.p.h. | 50.2 | 49.0 | 47.2 | 46.7 | 61.5 | 58.9 | 16.2 | 2.8 | 34.4 | 7.3 | 2.4 | 0 | 0 | 50.0 |
| 60 m.p.h. | 17.2 | 27.8 | 18.0 | 26.3 | 14.3 | 34.2 | 4.1 | 1.8 | 9.4 | 4.9 | 0 | 0 | 0 | 50.0 |
| 65 m.p.h. | 4.0 | 4.9 | 4.7 | 4.8 | 1.1 | 5.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 m.p.h. | 0.5 | 0.8 | 0.6 | 0.3 | 0 | 2.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 m.p.h. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No. of Vehicles Obs. | 205 | 195 | 160 | 164 | 45 | 31 | 37 | 57 | 14 | 24 | 23 | 33 | 1 | 1 |
| Avg. Speed (m.p.h.) | 54.4 | 53.5 | 54.1 | 53.2 | 55.5 | 56.0 | 49.1 | 43.7 | 51.6 | 44.8 | 47.6 | 42.9 | 46.0 | 44.0 |
| Max. Speed (m.p.h.) | — | — | 69 | 70 | 86 | 71 | — | — | 64 | 59 | 56 | 51 | 46 | 44 |
| State or Type | — | — | — | — | Mich. | Mich. | — | — | 2P | OP | 2P | 2P | — | — |
| Min. Speed (m.p.h.) | — | — | 32 | 30 | 46 | 44 | — | — | 39 | 34 | 40 | 29 | 46 | 44 |
| State or Type | — | — | — | — | Mich. | Ill. | — | — | 2P | OP | 2D | OP | — | — |
| No. of Vehicles Obs. | 225 | 193 | 179 | 151 | 46 | 42 | 37 | 52 | 18 | 17 | 19 | 35 | 0 | 1 |
| Avg. Speed (m.p.h.) | 52.6 | 54.0 | 52.0 | 53.3 | 54.9 | 56.3 | 45.0 | 44.8 | 42.9 | 47.8 | 42.2 | 43.4 | — | 61.0 |
| Max. Speed (m.p.h.) | — | — | 72 | 67 | 64 | 74 | — | — | 60 | 63 | 54 | 50 | — | 63 |
| State or Type | — | — | — | — | Mich. | Ill. | — | — | 2P | OP | 2D | ST | — | — |
| Min. Speed (m.p.h.) | — | — | 29 | 30 | 43 | 40 | — | — | 36 | 35 | 27 | 34 | — | 61 |
| State or Type | — | — | — | — | Md. | Ill. | — | — | 2P | ST | 2D | 2D | — | — |

TABLE 7 SPEED DATA

Station S. R. 25 1.0 Miles South of Americus

Surface 27' Bituminous Resurfaced Concrete

Weather Partly Cloudy

This Observation

Last Previous Observation (Speed Report No. 56)

Date February 16 and 21, 1956

Date July 5, 1955

Time 8:30 A.M. - 11:00 A.M. & 8:30 A.M. - 9:45 A.M. - 12:35 P.M. - 1:40 P.M.

| OBSERVATION | PASSENGER CARS | | | | | | TRUCKS | | | | | | BUSES | |
|----------------------|----------------|---------|---------|---------|-------------|---------|--------|---------|-----------------------|---------|---------------------|---------|-------|---------|
| | All | | Indiana | | Non-Indiana | | All | | Less than 5000 pounds | | 5000 pounds or more | | All | |
| | Last | Present | Last | Present | Last | Present | Last | Present | Last | Present | Last | Present | Last | Present |
| No. of Vehicles Obs. | 439 | 359 | 366 | 321 | 79 | 38 | 46 | 146 | 30 | 40 | 46 | 106 | 3 | 0 |
| Avg. Speed (m.p.h.) | 56.3 | 55.0 | 53.2 | 55.0 | 56.1 | 55.3 | 45.5 | 44.8 | 47.6 | 50.8 | 44.5 | 41.8 | 47.3 | - |
| 45 m.p.h. | - | - | - | - | - | - | 21.2 | 37.4 | 45.0 | 47.5 | 45.7 | 23.6 | 38.0 | - |
| 50 m.p.h. | 76.7 | 75.8 | 73.1 | 73.2 | 79.7 | 74.2 | 24.1 | 21.2 | 40.3 | 47.5 | 23.9 | 7.5 | 0 | - |
| 55 m.p.h. | 51.5 | 51.3 | 49.7 | 50.8 | 59.5 | 55.3 | 12.1 | 8.2 | 25.0 | 27.5 | 6.5 | 0.9 | 0 | - |
| 60 m.p.h. | 26.7 | 30.9 | 35.1 | 34.1 | 38.9 | 21.1 | 1.0 | 4.8 | 10.0 | 15.0 | 0 | 0.9 | 0 | - |
| 65 m.p.h. | 10.3 | 9.5 | 9.6 | 8.7 | 13.9 | 11.8 | 1.5 | 2.1 | 5.0 | 7.5 | 0 | 0 | 0 | - |
| 70 m.p.h. | 2.3 | 1.9 | 2.5 | 2.2 | 1.3 | 0 | 1.5 | 1.4 | 2.0 | 5.0 | 0 | 0 | 0 | - |
| 75 m.p.h. | 0 | 0.9 | 0 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| No. of Vehicles Obs. | 216 | 192 | 191 | 176 | 35 | 16 | 26 | 70 | 5 | 15 | 21 | 45 | 1 | - |
| Avg. Speed (m.p.h.) | 56.1 | 55.7 | 55.3 | 55.9 | 57.5 | 53.8 | 46.9 | 43.1 | 46.2 | 43.4 | 45.1 | 41.0 | 47.0 | - |
| Max. Speed (m.p.h.) | - | - | 73 | 81 | 71 | 65 | - | - | 54 | 70 | 58 | 61 | 67 | - |
| State or Type | - | - | - | - | Ill. | Ill. | - | - | Ill. | Ill. | Ill. | Ill. | - | - |
| Min. Speed (m.p.h.) | - | - | 32 | 22 | 46 | 43 | - | - | 38 | 35 | 32 | 27 | 47 | - |
| State or Type | - | - | - | - | Ill. | Ill. | - | - | Ill. | Ill. | Ill. | Ill. | - | - |
| No. of Vehicles Obs. | 323 | 167 | 177 | 145 | 44 | 22 | 47 | 56 | 11 | 23 | 25 | 63 | 2 | - |
| Avg. Speed (m.p.h.) | 52.6 | 52.3 | 51.5 | 51.9 | 51.5 | 47.9 | 42.8 | 45.2 | 43.7 | 41.6 | 44.1 | 42.4 | 47.5 | - |
| Max. Speed (m.p.h.) | - | - | 71 | 75 | 69 | 68 | - | - | 71 | 70 | 54 | 52 | 63 | - |
| State or Type | - | - | - | - | Ill. | Ill. | - | - | Ill. | Ill. | Ill. | Ill. | - | - |
| Min. Speed (m.p.h.) | - | - | 14 | 14 | 30 | 44 | - | - | 35 | 36 | 29 | 26 | 47 | - |
| State or Type | - | - | - | - | Ill. | Ill. | - | - | Ill. | Ill. | Ill. | Ill. | - | - |