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Frank Melvin Holloway

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TRAFFIC SPEED REPORT No.58

APRIL-1956
No. 18

by

F.M. Holloway

Joint Highway Research Project

PURDUE UNIVERSITY
LAFAYETTE INDIANA

TRAFFIC SPEED REPORT NO. 58

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

April 19, 1956

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

FROM: Harold L. Michael, Assistant Director

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:cjg

Attachment

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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

Purdue 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 comparsion 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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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	58.8	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 Axle panel or pickup
2S	2 Axle, 4 tired other than 2P
2D	2 Axle, 6 tired
3	3 Axle single unit
2-S-1	2 Axle tractor-truck with 1 axle semitrailer
2-S-2	2 Axle tractor-truck with 2 axle semitrailer
2-2	2 Axle tractor-truck pulling 2 axle full trailer
2-S-1-2	2 Axle tractor-truck with 1 axle semitrailer and a 2 axle full trailer
3-3	3 Axle truck pulling 3 axle full trailer
3-S2-2	3 Axle tractor-truck with a 2 axle semitrailer and a 2 axle trailer

Body Type Code:

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

TABLE 2 SPEED DATA

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

Surface 24' M.B. - P.C.C. S.B. - Bit. Conc. (Divided Lanes) Weather Clear

This Observation
Date Feb. 13, 1956
Time 10:45 A.M. - 3:45 P.M.

Last Previous Observation (Speed Report No. 56)
Date July 11, 1955
Time 12:48 P.M. - 3:52 P.M.

		PASSENGER CARS						TRUCKS						BUSSES	
		All		Indiana		Non-Indiana		All		Less than 5000 pounds		5000 pounds or more		All	
OBSERVATION		Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
All Vehicles	No. of Vehicles Obs.	408	357	174	236	234	121	92	140	19	29	73	111	2	3
	Ave. Speed (m.p.h.)	59.3	56.9	59.2	56.1	59.3	56.6	46.7	44.8	49.8	49.8	46.2	43.7	53.5	50.3
	% Equaling or Exceeding 45 m.p.h.	—	—	—	—	—	—	60.9	40.7	68.4	62.1	53.9	35.1	100.0	66.7
	50 m.p.h.	90.9	84.3	91.4	80.9	90.6	90.9	40.2	22.1	63.2	44.8	34.2	16.2	50.0	66.7
	55 m.p.h.	76.7	66.9	77.0	62.7	76.5	75.2	7.6	8.6	15.8	37.9	5.5	0.9	50.0	33.3
	60 m.p.h.	49.3	43.1	48.3	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	8.7	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	0.6	0	1.3	0	0	0	0	0	0	0	0	0
North BOUND	No. of Vehicles Obs.	198	172	95	124	103	48	52	78	8	10	44	68	0	0
	Ave. Speed (m.p.h.)	59.2	57.0	59.0	56.1	59.5	58.3	47.8	45.1	48.3	45.5	47.7	45.0	0	-
	Max. Speed (m.p.h.)	—	—	77	68	79	71	—	—	59	62	58	58	0	-
	State or Type	—	—	—	—	Ill.	Ill.Ohio	—	—	2P OP	2P	2S2 Ill	2D	—	—
	Min. Speed (m.p.h.)	—	—	33	38	41	47	—	—	33	37	37	36	0	-
	State or Type	—	—	—	—	Ill.	Ill.	—	—	2P CO	2P	2D ST	2D	—	—
South BOUND	No. of Vehicles Obs.	210	185	79	112	131	73	40	62	11	19	29	43	2	3
	Ave. Speed (m.p.h.)	59.3	56.8	59.5	56.0	59.2	58.1	45.3	44.6	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 CO	2P	2D CO	2S2	—	—
	Min. Speed (m.p.h.)	—	—	44	36	38	42	—	—	36	31	29	27	47	44
	State or Type	—	—	—	—	Ill.	Ohio	—	—	2P OP	2P	2D ST	2S1	—	—

TABLE 3 SPEED DATA

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

Surface 24' Portland Cement Concrete (Divided Lanes) Weather Clear

This Observation	Last Previous Observation (Speed Report No. 56)
Date Feb. 21 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.

		PASSENGER CARS						TRUCKS						BUSSES	
		All		Indians		Non-Indians		All		Less than 5000 pounds		5000 pounds or more		All	
	CHARACTER	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
Eastbound	No. of Vehicles Obs.	425	352	257	278	168	74	75	151	23	33	52	118	1	1
	Avg. Speed (m.p.h.)	52.6	60.4	51.4	59.9	54.4	62.5	42.4	45.7	46.4	47.0	40.7	46.2	50.3	38.0
	[illegible]	—	—	—	—	—	—	41.3	54.2	78.3	51.5	25.0	67.8	100.0	0
	[illegible]	77.2	92.6	65.8	92.1	82.1	94.5	14.7	39.1	30.4	45.5	7.7	37.3	66.7	0
	[illegible]	46.4	77.3	35.0	74.8	53.5	85.5	5.3	7.9	13.0	18.2	1.9	5.1	0	0
	50 m.p.h.	13.2	63.6	9.7	60.4	18.5	75.7	1.3	3.3	4.3	12.1	0	0.8	0	0
	[illegible]	2.4	32.4	0.4	30.2	5.4	40.5	0	1.3	0	3.0	0	0.9	0	0
	[illegible]	0.5	1.4	0	0.1	1.2	12.2	0	0	0	0	0	0	0	0
	[illegible]	0	0.9	0	0.4	0	2.7	0	0	0	0	0	0	0	0
Westbound	No. of Vehicles Obs.	210	189	127	149	83	40	41	65	11	12	30	53	1	0
	Avg. Speed (m.p.h.)	50.5	58.9	49.6	58.5	51.9	60.4	40.0	46.9	46.4	48.9	37.7	46.5	50.0	-
	Max. Speed (m.p.h.)	—	—	63	74	60	71	—	—	59	68	45	65	55	-
	Mode or Type	—	—	—	—	III.	III.	—	—	2P OP	2P	2S2 OD	2D	—	—
	[illegible] (m.p.h.)	—	—	28	36	31	35	—	—	28	34	24	24	54	-
	Mode or Type	—	—	—	—	Ch.Ig	7	—	—	2P OP	2P	2D ST	2D	—	—
South (Left)	No. of Vehicles Obs.	215	163	130	129	85	34	34	86	12	21	22	65	2	1
	Avg. Speed (m.p.h.)	54.7	62.7	53.3	61.5	56.8	65.1	45.4	46.6	46.3	45.9	44.8	46.9	50.5	38.0
	Max. Speed (m.p.h.)	—	—	65	73	70	75	—	—	63	60	56	54	52	38
	Mode or Type	—	—	—	—	III.	III.	—	—	2P OP	2P OP	2D ST	3S2 2D	—	—
	[illegible] (m.p.h.)	—	—	25	34	42	47	—	—	26	29	37	32	42	38
	Mode or Type	—	—	—	—	III.	?	—	—	2P OP	2P ST	2D CO	2D DP	—	—

TABLE 4 SPEED DATA

Station U.S. 52 2.0 Miles North of Templeton (Formerly 1.0 Miles North of Templeton)

Surface _____ Weather Clear

This Observation
Date Feb. 20, 1956
Time 9:00 A.M. - 12:10 P.M.

Last Previous Observation (Speed Report No. 55)
Date December 23, 1954
Time 10:05 A.M. - 1:00 P.M.

		PASSENGER CARS						TRUCKS						BUSSES	
		All		Indiana		Non-Indiana		All		Less than 5000 pounds		5000 pounds or more		All	
OBSERVATION		Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
All Vehicles	No. of Vehicles Obs.	429	362	189	176	240	186	73	139	14	27	59	112	0	1
	Ave. Speed (m.p.h.)	54.0	56.8	53.3	55.7	54.4	57.8	45.7	44.1	51.7	47.7	44.3	43.3	-	47.0
	% Exceeding 45 m.p.h.	—	—	—	—	—	—	58.1	43.2	78.6	66.7	44.1	37.5	-	100.0
	50 m.p.h.	77.9	86.2	76.2	81.2	79.2	90.9	37.2	16.5	57.1	40.7	18.6	10.7	-	0
	55 m.p.h.	49.7	67.7	43.4	61.9	52.9	71.1	26.7	5.0	42.9	25.9	6.8	0	-	0
	60 m.p.h.	16.6	39.8	11.6	35.2	20.4	44.1	16.3	2.9	7.1	14.8	0	0	-	0
	65 m.p.h.	3.0	10.2	2.1	6.8	3.8	13.4	0	0.7	0	3.7	0	0	-	0
	70 m.p.h.	0.5	1.7	0	2.8	0.8	0.5	0	0	0	0	0	0	-	0
	75 m.p.h.	0	0	0	0	0	0	0	0	0	0	0	0	-	0
North Bound	No. of Vehicles Obs.	212	190	108	85	104	65	40	88	6	17	34	71	-	1
	Ave. Speed (m.p.h.)	52.5	56.2	52.7	55.7	52.3	56.8	44.0	43.2	50.5	46.6	42.9	42.3	-	47.0
	Max. Speed (m.p.h.)	—	—	69	73	66	63	—	—	59	63	59	53	-	47
	State or Type	—	—	—	—	Ill.	Ill.	—	—	2P	2P	2D	2D	—	—
	Min. Speed (m.p.h.)	—	—	38	32	34	35	—	—	42	26	34	35		47
	State or Type	—	—	—	—	N.C.	Ill.	—	—	2P	2P	2D	252	—	—
South Bound	No. of Vehicles Obs.	217	212	81	91	136	121	33	51	8	10	25	41	-	0
	Ave. Speed (m.p.h.)	55.4	57.3	54.1	55.8	56.1	58.4	47.8	45.9	52.6	49.7	46.3	44.9	-	-
	Max. Speed (m.p.h.)	—	—	69	72	70	69	—	—	60	63	58	51	-	-
	State or Type	—	—	—	—	Ky.	Ill.-Ind.	—	—	2P	2P	252	252	—	—
	Min. Speed (m.p.h.)	—	—	40	31	42	44	—	—	44	34	34	35	-	-
	State or Type	—	—	—	—	Ill.	Ill.	—	—	2P	2P	251-252	2D	—	—

TABLE 5 SPEED DATA

Station U. S. 41 1.5 Miles North of Boswell

Surface 22.5' Portland Cement Concrete Weather Cloudy

This Observation
Date February 10, 1956
Time 10:30 A.M. - 2:30 P.M.

Last Previous Observation (Speed Report No. 56)
Date July 8, 1955
Time 12:35 P.M. - 3:45 P.M.

		PASSENGER CARS						TRUCKS						BUSSES	
		All		Indiana		Non-Indiana		All		Less than 5000 pounds		5000 pounds or more		All	
OBSERVATION		Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
All Vehicles	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	46.0	45.1	-	-
	% Equaling or Exceeding 45 m.p.h.	—	—	—	—	—	—	56.7	49.3	56.2	44.1	56.8	53.1	-	-
	50 m.p.h.	75.2	86.9	68.1	80.1	82.3	93.5	26.9	24.3	31.2	30.5	26.1	19.8	-	-
	55 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	-	-
	60 m.p.h.	26.6	49.9	25.2	43.7	31.1	53.8	1.9	0.7	0	1.7	2.3	0	-	-
	65 m.p.h.	12.8	30.3	12.3	21.0	13.2	19.6	0	0	0	0	0	0	-	-
	70 m.p.h.	2.3	1.9	1.8	1.7	2.6	2.2	0	0	0	0	0	0	-	-
	75 m.p.h.	0.5	0.3	0.6	0	0.4	0.5	0	0	0	0	0	0	-	-
NORTHBOUND	No. of Vehicles Obs.	218	142	84	75	134	67	47	63	11	27	36	36	-	-
	Ave. Speed (m.p.h.)	55.1	57.7	53.9	56.7	55.9	58.9	42.5	45.1	44.0	45.8	43.9	44.6	-	-
	Max. Speed (m.p.h.)	—	—	78	70	79	69	—	—	54	56	59	58	-	-
	State or Type	—	—	—	—	Ill.	Ill.	—	—	2P OP	2P	2D ST	2D	—	—
	Min. Speed (m.p.h.)	—	—	28	34	36	42	—	—	32	31	32	32	-	-
	State or Type	—	—	—	—	Ill.	Ill.	—	—	2P OP	2P	2S2 PL	2S2	—	—
SOUTHBOUND	No. of Vehicles Obs.	173	218	79	101	94	117	57	77	5	32	52	45	-	-
	Ave. Speed (m.p.h.)	54.2	58.3	53.1	56.7	55.2	60.0	47.2	45.2	45.6	44.4	47.4	45.4	-	-
	Max. Speed (m.p.h.)	—	—	71	71	71	88	—	—	52	61	63	56	-	-
	State or Type	—	—	—	—	Ill.	Ill.	—	—	2P OP	2P	2D ST	2D	—	—
	Min. Speed (m.p.h.)	—	—	32	34	36	36	—	—	31	25	33	29	-	-
	State or Type	—	—	—	—	Ill.	Ill.	—	—	2P OP	2P	2D ST	3S2	—	—

TABLE 6 SPEED DATA

Station: U.S. 31 7.2 Miles North of Perrysburg

Surface: 22.5' P.C.C. Resurfaced with Bituminous material Weather: Partly Cloudy

This Observation
Date: February 15, 1956
Time: 11:00 A.M. - 3:00 P.M.

Last Previous Observation (Speed Report No. 55)
Date: December 31, 1954
Time: 10:00 A.M. - 2:50 P.M.

		PASSENGER CARS						TRUCKS						BUSSES	
		All		Indiana		Non-Indiana		All		Less than 5000 pounds		5000 pounds or more		All	
OBSERVATION		Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
All Vehicles	No. of Vehicles Obs.	430	388	339	315	91	73	74	109	32	41	42	68	1	2
	Ave. Speed (m.p.h.)	53.4	53.8	53.0	53.3	55.2	56.2	47.5	44.2	50.7	46.1	45.1	43.1	46	52.5
	% Equaling or Exceeding 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	27.3	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
North BOUND	No. of Vehicles Obs.	205	195	160	164	45	31	37	57	14	24	23	33	1	1
	Ave. Speed (m.p.h.)	54.4	53.6	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	66	71	—	—	64	59	56	51	46	44
	State or Type	—	—	—	—	Mich.	Mich.	—	—	2P OP	2P	2S2 TA	2S1	—	—
	Min. Speed (m.p.h.)	—	—	32	30	46	44	—	—	39	34	40	29	46	44
	State or Type	—	—	—	—	Mich.	Ill.	—	—	2P OP	2P	2D CO	2S2	—	—
South BOUND	No. of Vehicles Obs.	225	193	179	151	46	42	37	52	18	17	19	35	0	1
	Ave. Speed (m.p.h.)	52.6	54.0	52.0	53.3	54.9	56.3	46.0	44.8	49.9	47.8	42.2	43.4	-	61.0
	Max. Speed (m.p.h.)	—	—	72	67	64	74	—	—	60	63	54	50	-	61
	State or Type	—	—	—	—	Mich.	Ill.	—	—	2P CO	2P	2D ST	2S2	—	—
	Min. Speed (m.p.h.)	—	—	29	30	43	40	—	—	36	35	27	34	-	61
	State or Type	—	—	—	—	Md.	Ill.	—	—	2P ST	2D	2S1	2S1	—	—

TABLE 7 SPEED DATA

Station S. H. 25 1.0 Miles South of Americus

Surface 22' Bituminous Resurfaced Concrete Weather Partly Cloudy

This Observation
Date February 16 and 21, 1956
Time 8:30 A.M. - 11:00 A.M. & 8:30 A.M. - 9:45 A.M.

Last Previous Observation (Speed Report No. 56)
Date July 5, 1955
Time 12:35 P.M. - 3:40 P.M.

		PASSENGER CARS						TRUCKS						BUSSES	
		All		Indiana		Non-Indiana		All		Less than 5000 pounds		5000 pounds or more		All	
OBSERVATION		Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
All Vehicles	No. of Vehicles Obs.	439	359	360	321	79	38	56	146	20	40	46	106	1	0
	Ave. Speed (m.p.h.)	54.3	55.0	53.9	55.0	56.1	55.3	43.5	44.8	47.6	50.8	44.5	41.8	47.3	-
	Equaling or Exceeding 45 m.p.h.	—	—	—	—	—	—	45.5	38.4	45.0	77.5	45.7	23.6	100.0	-
	50 m.p.h.	72.7	73.8	71.1	78.2	79.7	94.2	28.8	21.2	40.0	27.5	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	25.1	32.1	35.9	21.1	3.0	4.8	10.0	15.0	0	0.9	0	-
	65 m.p.h.	10.3	9.5	9.4	8.7	13.9	15.8	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	5.0	5.0	0	0	0	-
	75 m.p.h.	0	0.6	0	0.6	0	0	0	0	0	0	0	0	0	-
NORTH BOUND	No. of Vehicles Obs.	216	192	181	176	35	16	26	60	5	15	21	45	1	-
	Ave. Speed (m.p.h.)	56.1	55.7	55.4	55.9	57.5	53.8	46.9	43.1	44.2	49.4	45.1	41.0	47.0	-
	Max. Speed (m.p.h.)	—	—	73	85	71	65	—	—	54	70	58	61	47	-
	State or Type	—	—	—	—	Ill.	Ill.	—	—	2P CP	2P CP	2D PU	2D	—	—
	Min. Speed (m.p.h.)	—	—	38	22	46	43	—	—	38	35	32	27	47	-
	State or Type	—	—	—	—	Ky.	[illegible]	—	—	2P CP	2P	2SP CO	2SD CO	—	—
SOUTH BOUND	No. of Vehicles Obs.	223	167	179	145	44	[illegible]	40	86	15	25	25	61	2	-
	Ave. Speed (m.p.h.)	52.6	54.3	52.0	53.9	53.0	[illegible]	42.8	45.8	47.7	51.0	44.1	42.4	47.5	-
	Max. Speed (m.p.h.)	—	—	71	75	69	68	—	—	71	70	54	52	48	-
	State or Type	—	—	—	—	Ill.	Ohio	—	—	2P CP	2P CP	2D CO	2D	—	—
	Min. Speed (m.p.h.)	—	—	34	34	30	44	—	—	35	36	29	26	47	-
	State or Type	—	—	—	—	Ky.	Ohio	—	—	2P CP	2P	2SD CO	2D DP	—	—