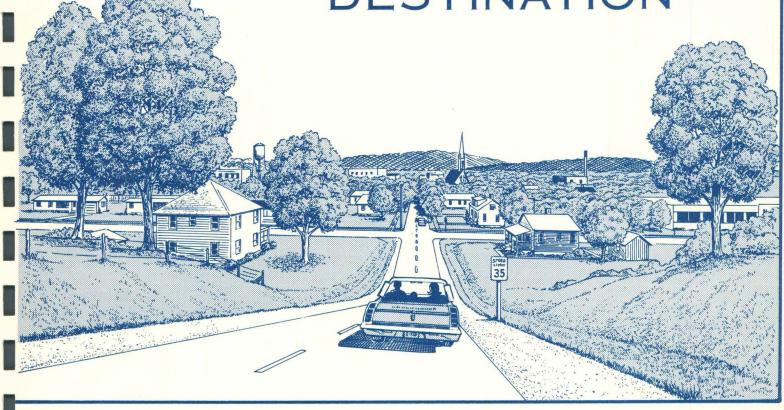
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HAMPTON

ORIGIN AND DESTINATION



TRAFFIC REPORT

IOWA

JUNE OF 1968

STATE OF IOWA

HAMPTON

ORIGIN AND DESTINATION TRAFFIC REPORT

DATA GATHERED JUNE 1968
PUBLISHED OCTOBER 1969

PREPARED BY

HIGHWAY PLANNING SURVEYS DEPARTMENT
DIVISION OF PLANNING
IOWA STATE HIGHWAY COMMISSION

IN COOPERATION WITH THE

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
BUREAU OF PUBLIC ROADS

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INTRODUCTION

This report is based on an external origin and destination traffic survey that was made in Hampton in June of 1968. The survey was conducted in cooperation with the United States Bureau of Public Roads and was made to determine the total number and type of vehicles entering or leaving the study area, along with specific origin-destination data from a representative sample of vehicle operators.

The purpose of this report is to summarize the data gathered in Hampton and to present this data in a manner which will implement the determination of traffic needs and thereby provide a sound basis for street and highway planning.

TABLE OF CONTENTS

				Page
LIST	OF ILLUSTRATIONS			vi
LIST	OF TABLES			vii
DEFIN	NITIONS			viii
PART	I SIGNIFICANT FACTS Distribution of Trips Summary	y Area		2 3 4
PART	II HISTORY AND DEVELOPMENT History			8
	Population Trends			10 12 14
PART	III SURVEY PROCEDURES The Survey			16 18
PART	IV TRAFFIC MOVEMENTS Internal Dispersion of All Veh Through the Following Intervi		Passing	
	701, U.S. 65 North			21 22 23 24 25 26
	Desire Lines of Travel of Trip Entrances of the Study Area a		External	
	The Central Business District Other External Entrances Internal Tracts			27 27 27

			Page
	Summary of Trips Entering or Leaving the Study Area	• ,	29
	Dispersion of External Trips Between the Hampton Study Area and Points in Iowa Beyond Franklin County		30
	Dispersion of External Trips Between the Hampton Study Area and Points Within Franklin County		31
	Traffic Volumes on Rural Primary Highways in Franklin County		32
	Traffic Volumes on Primary Road Extensions and Major Streets in the Hampton Study Area		33
PART	V APPENDIX		
	Trip Purpose of External Trips		36
	Average Car Occupancy by Trip Purpose		37
	Origin and Destination of Trips by Autos, Trucks, Taxis, and Buses		38
	Origin and/or Destination of Trips by Autos, Trucks, Taxis, and Buses		40

LIST OF ILLUSTRATIONS

F	'igure		Page
	1-1	Distribution of Trips	2
	1-2	Regional Influence of the Study Area	4
	2-1	Population Trends	11
	2-2	Motor Vehicle Registration in Clay County	13
	2-3	Study Area Position	14
	3-1	Tract Map of the Study Area	18
		Internal Dispersion of All Vehicular Trips Passing Through the Following Interview Stations:	
	4-1 4-2 4-3 4-4 4-5 4-6	701, U.S. 65 North	22 23 24 25
		Desire Lines of Travel of Trips to or from External Entrances of the Study Area and:	
	4-7 4-8 4-9	The Central Business District Other External Entrances Internal Tracts	27 27 27
	4-10	Dispersion of External Trips Between the Hampton Study Area and Points in Iowa Beyond Franklin County	30
	4-11	Dispersion of External Trips Between the Hampton Study Area and Points Within Franklin County	31
	4-12	Traffic Volumes on Rural Primary Highways in Franklin County	32
	4-13	Traffic Volumes on Primary Road Extensions and Major Streets in the Hampton Study Area	33

LIST OF TABLES

Table]	Page
1-1	Regional Influence of the Study Area		5
1-2	Vehicle Type Summary	•	6
	Population Trends in		
2-1 2-2			
2-3	Motor Vehicle Registration in Franklin County	•	12
4-1	Summary of External Trips		29
B-2a	Trip Purpose of External Trips		36
B -3 a	Average Car Occupancy by Trip Purpose		37
E-1	Origin and Destination of Trips by Autos, Trucks, Taxis, and Buses		38
E-2	Origin and/or Destination of Trips by Autos, Trucks Taxis, and Buses		40

DEFINITIONS OF TECHNICAL TERMS

Study Area The area enclosed by a cordon line of

interview stations

Cordon Line A hypothetical line determined by the location of traffic interview stations

and used to delimit the area under study

Interview Station A location at which vehicle drivers are

stopped and interviewed

Code Station A location on a street or highway at the point where it crosses the cordon

line and at which traffic is counted

but not interviewed

Central Business

District The major business district of a city

Origin The location from which a driver started

a trip

Destination The location at which a trip was ended

The one-way travel between a point of Trip origin and a point of destination

A trip having both origin and destina-Internal Trip

tion within the study area

External Local Trip A trip having either origin or destination within the study area and which

passed through only one interview station in the cordon line enroute to

its destination

External Through Trip A trip having neither origin nor destination within the study area but which

passes through it enroute to its desti-

nation

The total number of vehicles passing a Traffic

given point

A straight line between the point of Desire Line origin and point of destination without

regard to routes of travel



Significant Facts

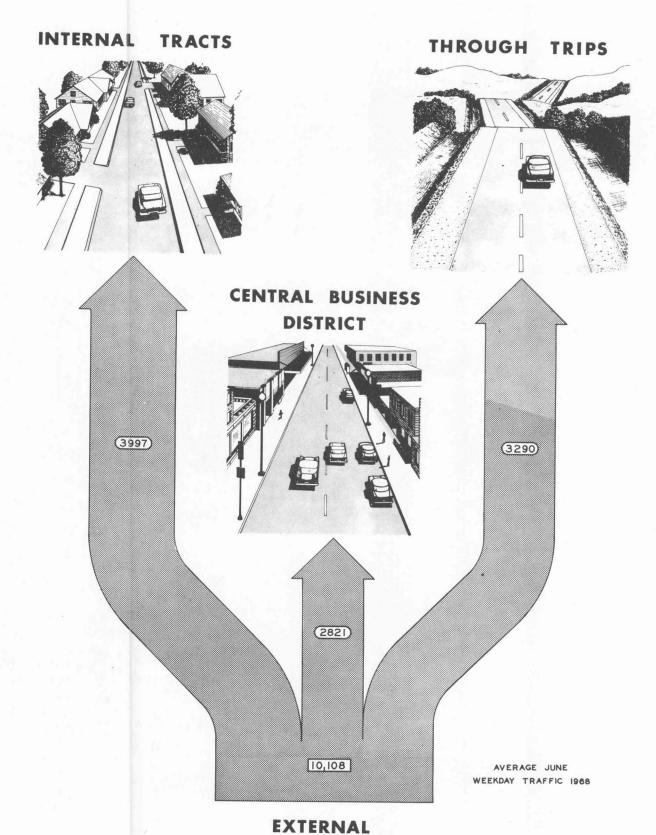


Part One

FIGURE I-I

DISTRIBUTION OF TRIPS

HAMPTON STUDY AREA



SUMMARY

The chart at left graphically illustrates some of the more significant traffic volumes derived from the Hampton origin and destination traffic survey. An average of 10,108 trips per day passed through the external cordon line of interview stations surrounding the study area during the survey period.

- 2,821 trips or 27.91 percent of the total number of trips were between external areas and the central business district.
- 3,997 trips or 39.54 percent of the total number of trips were between external and internal areas exclusive of the central business district.
- 3,290 trips or 32.55 percent of the total number of trips were through trips which passed through Hampton enroute to another destination.

Of the total number of trips which passed through interview stations, 14.50 percent began or ended at work, 30.48 percent were for social or recreational purposes, 23.96 percent were during work, 9.22 percent were for personal business, 12.42 percent were for shopping, and the remaining 9.42 percent were for other purposes.

FIGURE 1-2

REGIONAL INFLUENCE OF THE HAMPTON STUDY AREA

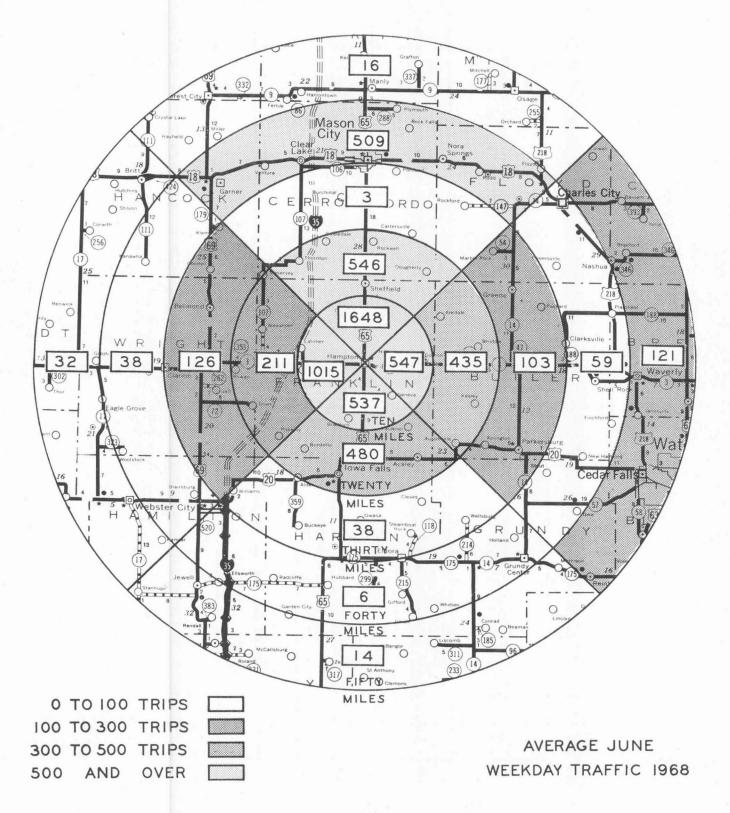


Table 1-1 REGIONAL INFLUENCE OF THE HAMPTON STUDY AREA

1968 Average June Weekday Traffic

		T	1
Miles From Study Area		Number of Trips	Percent of Total Trips Within a Fifty-Mile Radius
	0 - 10	1,648	25.41
4	10 - 20	546	8.42
North	20 - 30	3	.05
4	30 - 40	509	7.85
	40 - 50	16	.25
	North Total	2,722	41.98
	0 - 10	547	8.44
ر ب	10 - 20	435	6.70
Eas	20 - 30	103	1.59
	30 - 40	59	.91
	40 - 50	121	1.87
I	East Total	1,265	19.51
	0 - 10	537	8.28
h.	10 - 20	480	7.40
South	20 - 30	38	.59
01	30 - 40	6	.09
	40 - 50	14	.22
5	South Total	1,075	16.58
	0 - 10	1,015	15.65
	10 - 20	211	3.26
West	20 - 30	126	1.94
12	30 - 40	38	.59
	40 - 50	32	.49
V	Vest Total	1,422 21.93	
Grand Total		6,484	100.00

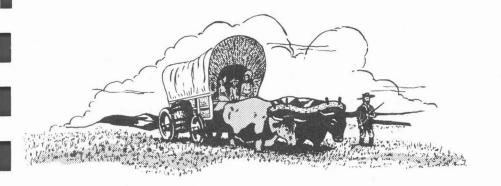
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TABLE 1-2 VEHICLE TYPE SUMMARY HAMPTON STUDY AREA

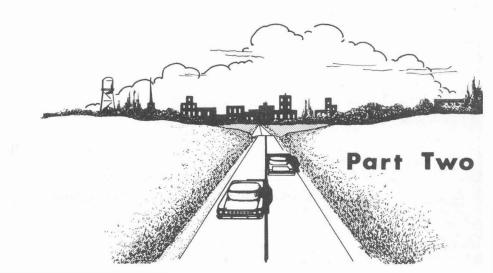
EXPANDED TO AVERAGE JUNE WEEKDAY TRAFFIC 1968

Station	Location	Passenger Cars	Pickups and Panels	Single Unit Trucks	Truck Combi- nations	Total
701	U.S. 65 North	3,133	409	214	301	4,057
705	Iowa 3 East	2,065	226	134	100	2,525
707	U.S. 65 South	2,416	281	199	291	3,187
710	Iowa 3 West	2,142	289	150	80	2,661
711	Local Road N.W. To Beeds Lake	512	77	13		602
712	F.A.S. 1674 North	253	62	33	7	355
Gr	and Total	10,521	1,344	743	779	13,387

The totals shown above include the duplication of those trips which passed entirely through the study area and were, therefore, interviewed twice.



History
and
Development



HISTORY

Located near the center of Franklin County in north-central Iowa, the town of Hampton had its beginning more than a century ago. The town was platted in 1856 by Job Garner and George Ryan who gave it the name of Benjamin. Shortly thereafter it was discovered that there was already a town by this name in Iowa and the name was changed to Hampton. Due to its central location, the new settlement was designated as the county seat of Franklin County soon after the name had been formally changed to Hampton.

Perhaps the earliest settler in the Hampton area was A. A. Freetoe who settled here in 1855 along the banks of Hartgroves Creek. Freetoe assembled a saw mill using water power to drive his machinery but after the mill had been in operation for only a year he was forced to close for lack of business.

The first newspaper in Hampton was the Franklin Record which was established in 1859 by S. M. Jones. The paper, which began as a weekly, was discontinued in 1864. Two years later, J. C. Whitney resumed publication of the Record and in 1869 the Hampton Free Press was founded by L. B. Raymond.

During the first two years of its existance, the residents of Hampton had to travel to Cedar Falls to pick up their mail. Finally, in 1857, a post office was established in Hampton with Robert Piatt serving as the first post master.

Hampton's rail link to other markets was completed in 1868. In that year the St. Louis and St. Paul railroad finished its line to Hampton.

The town of Hampton was officially incorporated in 1871. William Raymond was elected to serve as the first mayor.

The municipal water system in Hampton was developed over a period of several years. In 1891 the town waterworks was completed and in 1902 a sewer system was placed in operation. A disposal plant for the treatment of sewage was completed in 1910.

The public library in Hampton is one of many throughout the United States that were made possible because of funds given by Andrew Carnegie. The library was opened in 1905 and has been an asset to the community ever since.

The first R.E.A. power plant in the United States was built in Hampton and continues to provide low-cost power to residents of the area. Additional electric power and natural gas service are provided by the Iowa Public Service Company.

Hampton is the home of numerous industries whose products include parts for washers and dryers, commercial vans and semitrailers, nursery stock, hand tools, hybrid corn and hogs, and several wholesale distributors.

Transportation facilities in Hampton include U.S. Highway 65 and Iowa Highway 3. Three railroads, several truck lines and a municipal airport presently serve the area. Upon its completion, Interstate 35 will pass only a few miles west of Hampton.

POPULATION TRENDS

HAMPTON POPULATION

Table 2-1

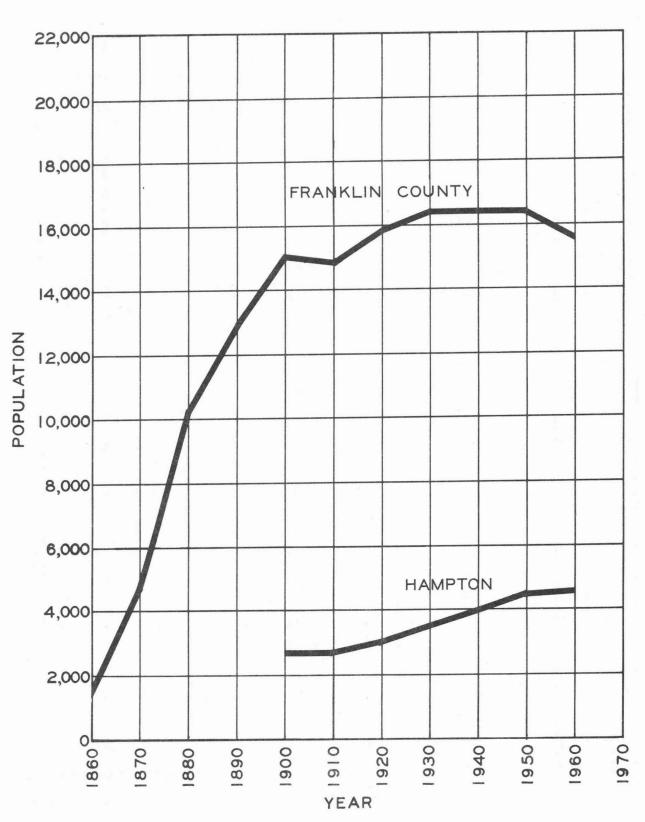
Census Year	Hampton Population	Volume Increase or Decrease	Percent Change 10-Year Period
1900	2,727		
1910	2,617	- 110	4.03
1920	2,992	375	14.33
1930	3,473	481	16.08
1940	4,006	533	15.35
1950	4,432	426	10.63
1960	4,501	69	1.56

FRANKLIN COUNTY POPULATION

Table 2-2

Census Year	Franklin Co. Population	Volume Increase or Decrease	Percent Change 10-Year Period
1860	1,309		
1870	4,738	3,429	261.96
1880	10,249	5,511	116.31
1890	12,811	2,622	25.58
1900	14,996	2,125	16.51
1910	14,780	- 216	- 1.44
1920	15,807	1,027	6.95
1930	16,382	575	3.64
1940	16,379	- 3	02
1950	16,268	- 111	67
1960	15,472	- 796	- 4.89

FIGURE 2-1
POPULATION TRENDS



MOTOR VEHICLE REGISTRATION IN FRANKLIN COUNTY
FROM 1939 THROUGH 1968

		344			
Year	Autos	Trucks	Motorcycles	Total	Percent Change
1939 1940 1941	5,169 5,193 5,181	673 700 740	16 15 16	5,858 5,908 5,937	.85 .49
1942	4,795	699	19	5,513	- 7.14
1943	4,571	696	16	5,283	- 4.17
1944	4,547	707	21	5,275	15
1945	4,618	741	22	5,381	2.01
1946	4,751	801	36	5,588	3.85
1947	5,037	931	61	6,029	7.89
1948	5,471	1,057	86	6,614	9.70
1949	5,866	1,268	111	7,245	9.54
1950	6,244	1,374	125	7,743	6.87
1951	6,186	1,481	119	7,786	.56
1952	5,904	1,505	111	7,520	- 3.41
1953	6,012	1,606	109	7,727	2.75
1954	6,183	1,737	109	8,029	3.90
1955	6,460	1,799	94	8,353	4.04
1956	6,404	1,813	73	8,290	76
1957	6,437	1,896	70	8,403	1.36
1958	6,393	1,961	82	8,436	.39
1959	6,588	1,992	78	8,658	2.63
1960	6,532	1,954	75	8,561	- 1.12
1961	6,653	1,986	89	8,728	1.95
1962	6,779	2,034	93	8,906	2.04
1963	6,803	2,052	88	8,943	.42
1964	6,902	2,090	117	9,109	1.86
1965	7,067	2,180	156	9,403	3.23
1966	7,206	2,275	190	9,671	2.85
1967	7,054	2,337	197	9,588	- 8.58
1968	7,022	2,389	231	9,642	.57

NUMBER OF MOTOR VEHICLE REGISTRATIONS

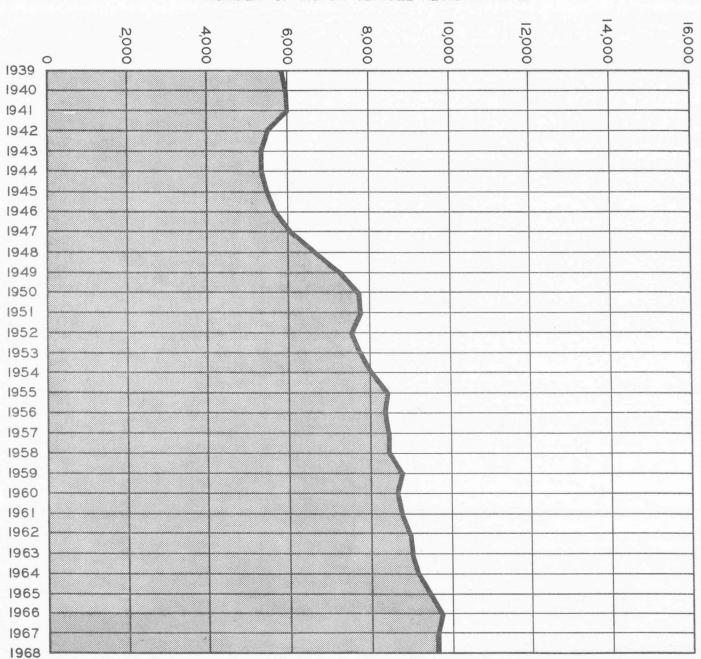
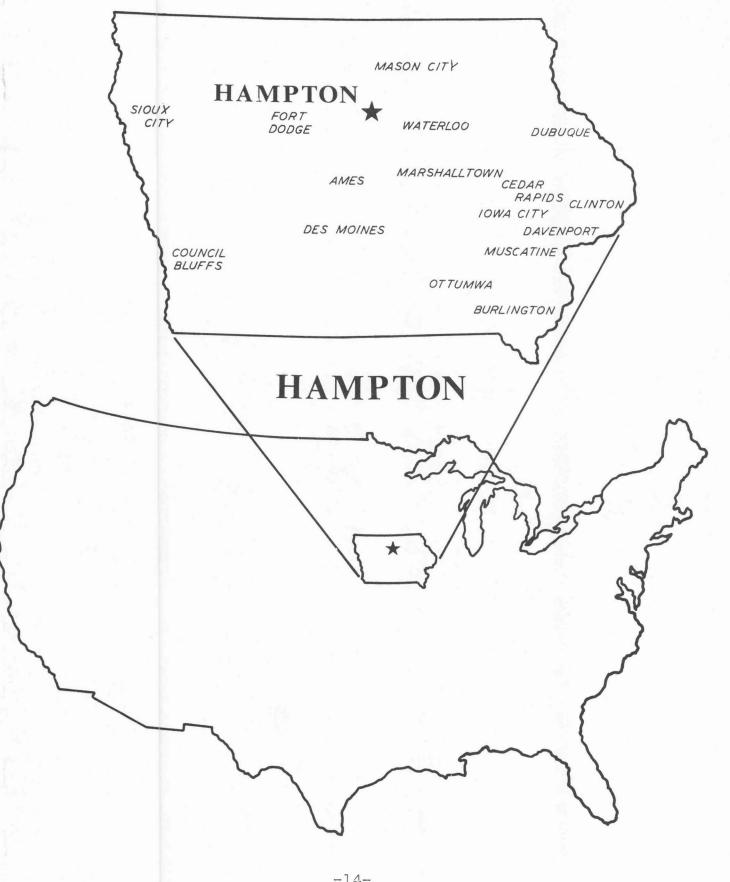


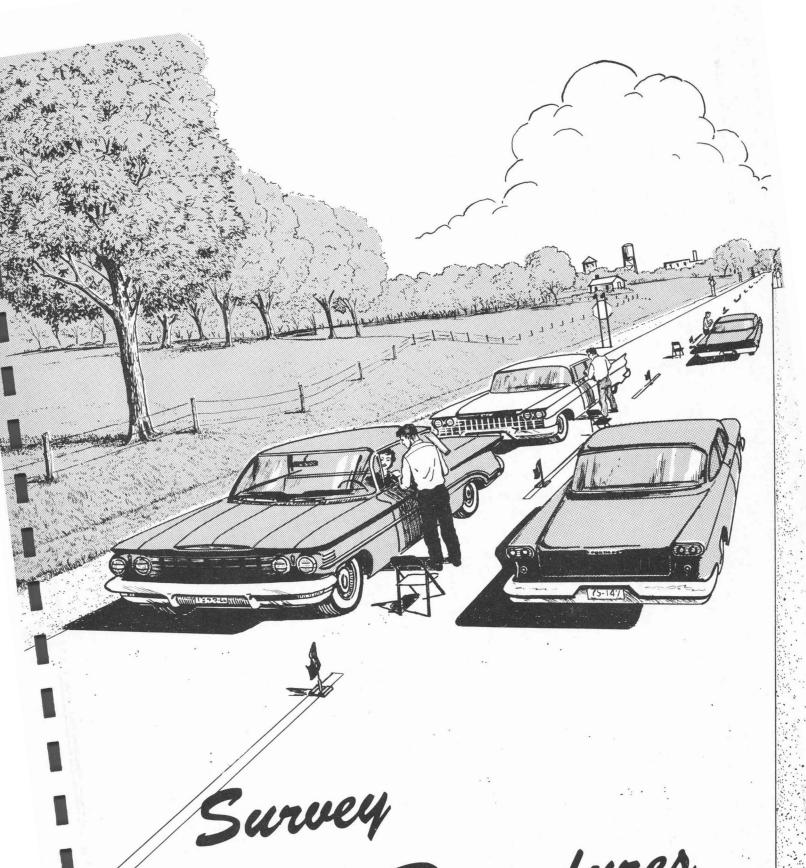
FIGURE 2-2

MOTOR VEHICLE FROM 1939 THROUGH 1968 REGISTRATION IN FRANKLIN COUNTY

-13-

STUDY AREA POSITION





Procedures

THE SURVEY

An external origin and destination traffic survey, of the type conducted in Hampton, is designed primarily to determine the origin, destination, and purpose of travel, along with the number and type of all vehicles entering or leaving the study area in a given period of time.

It has been demonstrated that travel is an expression of behavior and as such, tends to be repetitive. It is this repetition which enables the statistician and the highway planner to expand and project current data for the prediction of future needs.

In order to obtain accurate information upon which to base an analysis, it is necessary to interview vehicle drivers at strategically located interview stations. A cordon line composed of interview stations and code stations was located around the perimeter of the study area. Interview stations were located on all major roads entering the study area and all other roads were assigned station code numbers to facilitate the organization of interview data for those through trips which passed through only one interview station. The study area was divided into eight tracts, and all trips which had either their origin or their destination within the study area were traced to one of these tracts.

Interviewing for the Hampton survey was done between June 18th and 21st in 1968. All vehicles passing through interview stations during a 15-hour period from 6 a.m. to 9 p.m. were stopped briefly for interviews in which vehicle operators were questioned concerning the origin, destination, and purpose of the trip in progress. In addition, the vehicle type was recorded along with the location where it was normally kept or garaged, the place of registration, direction of travel, and number of occupants.

Mechanical traffic recorders were placed at the location of each interview station and were operated continuously for a period of five weekdays, including the day on which the interviewing was done. Manual vehicle classification counts were also taken and, together with the data provided by the mechanical recorders, were used to expand the interview data to 24-hour average June weekday traffic for 1968.

At the conclusion of the field work, the data pertaining to each trip were coded and punched on tabulating cards. These cards were then sorted and tabulated by machine according to the tract of origin or destination and the station or stations through which each trip passed.

In an external survey of this type, all trips are placed in two main categories composed of "external local trips" and "external through trips". External local trips have only one terminal (which may be either the origin or destination) within the study area and, therefore, pass through only one interview station while enroute to their destination. Trips which have neither origin nor destination within the study area, but must pass through it enroute to another destination, are classified as external through trips. Trips in this category must cross the cordon line at least twice while enroute to their destination.

Traffic flow charts indicating trip termini by tract of origin or destination are included in this report along with a series of desire line charts showing desired routes of travel in straight lines between interview stations and internal tracts.

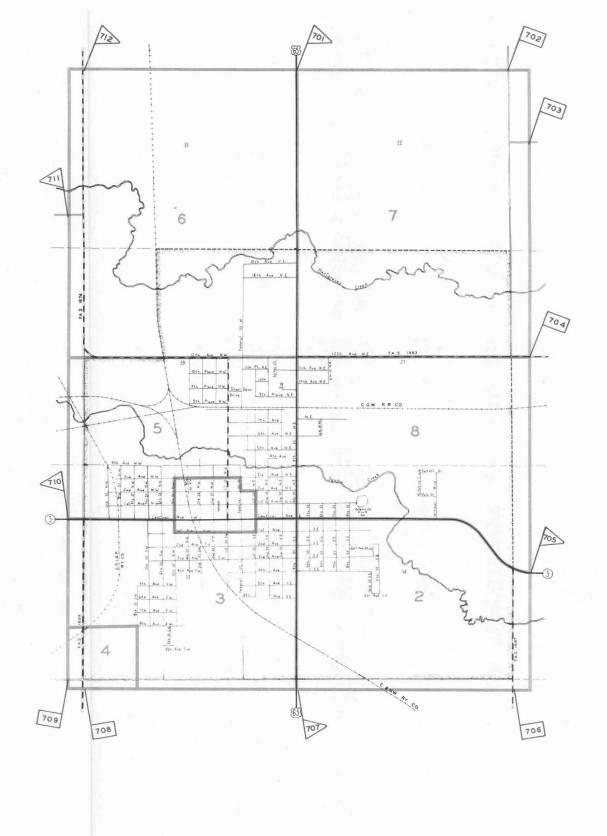
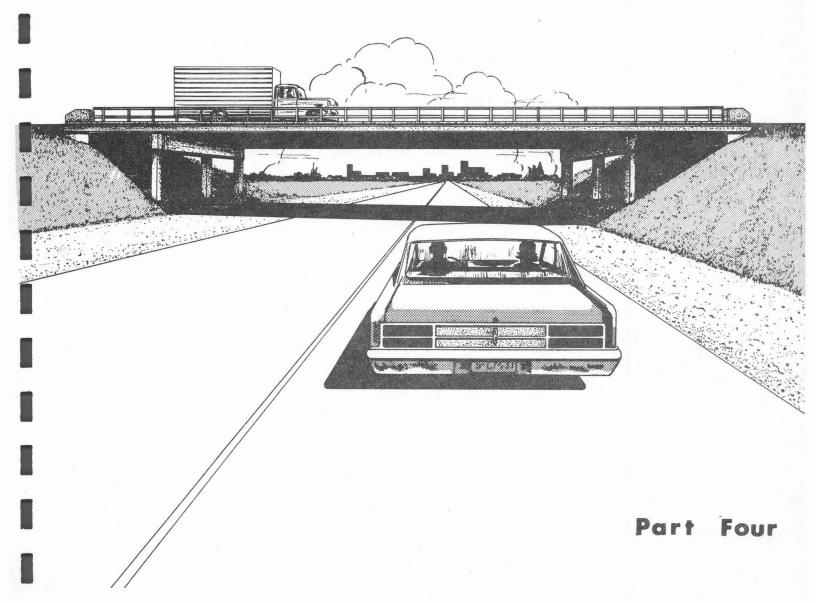


FIGURE 3-I TRACT MAP OF THE HAMPTON STUDY AREA JUNE 1968

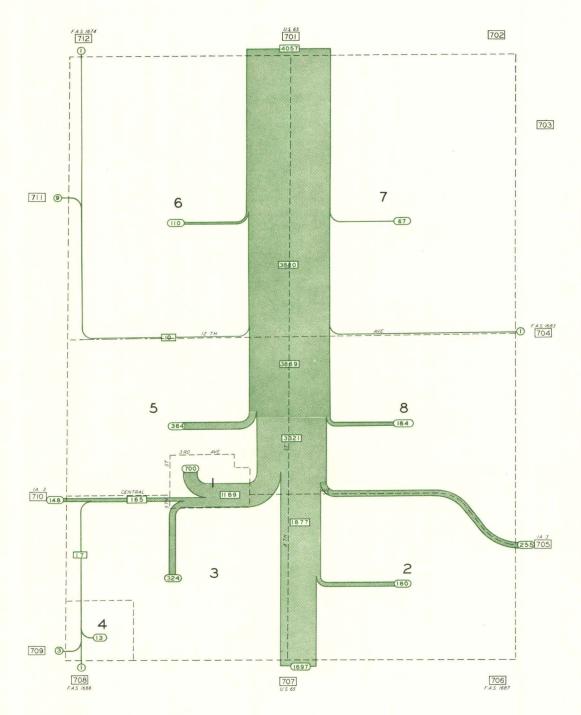
LEGEND TRACT NUMBER TRACT BOUNDARY LINE CORPORATION LINE INTERVIEW STATION LOCATION CODE STATION LOCATION

7raffic Movements



TRAFFIC FLOW CHARTS

The following traffic flow charts illustrate the internal dispersion of trips between points of origin and/or destination through the stations indicated. These charts are not intended to show exact routes, but rather to show trip volume by tract of origin or destination and the number of trips passing through each external interview station. Trip origins and destinations are not differentiated and the tract or station totals shown include both origins or destinations.



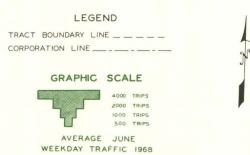
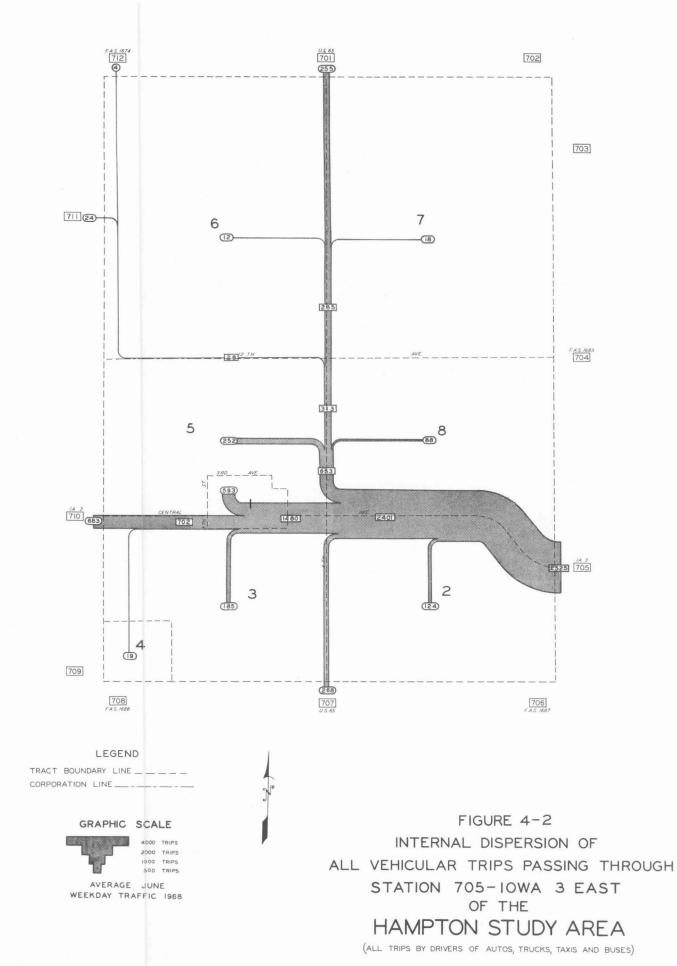


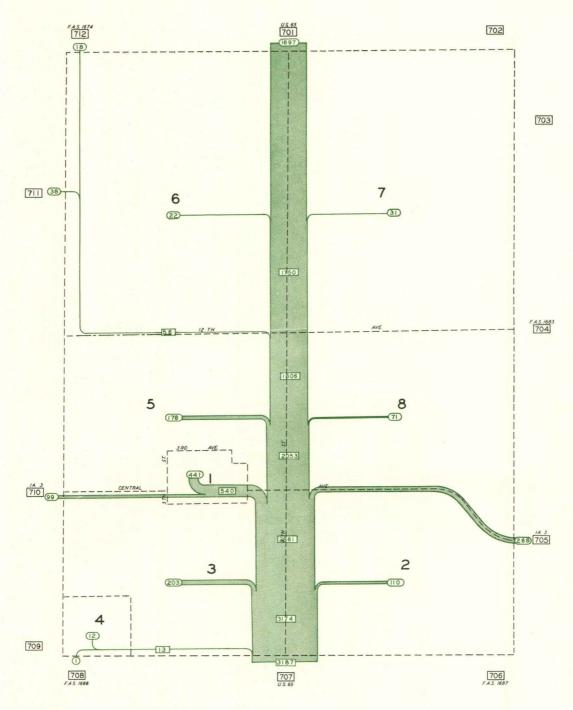
FIGURE 4-1
INTERNAL DISPERSION OF
ALL VEHICULAR TRIPS PASSING THROUGH

STATION 701-U.S. 65 NORTH

OF THE

HAMPTON STUDY AREA





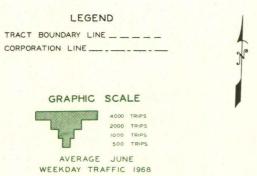
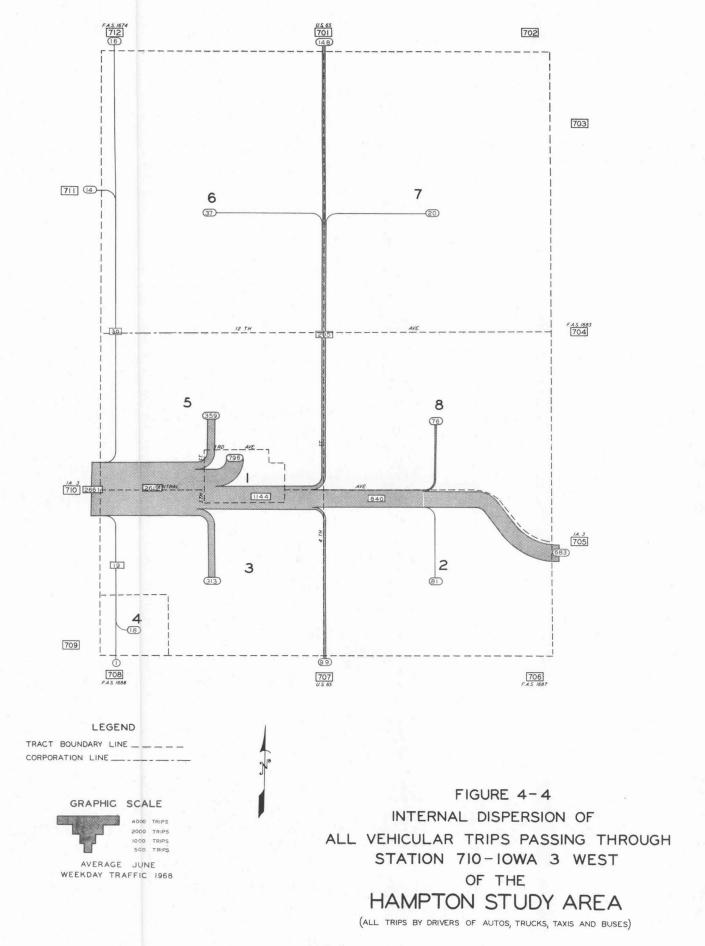
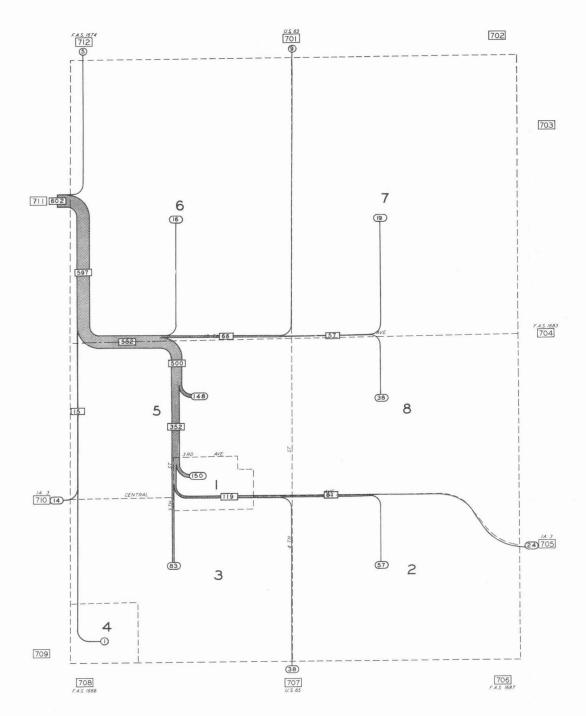
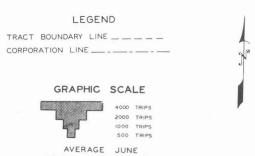


FIGURE 4-3
INTERNAL DISPERSION OF
ALL VEHICULAR TRIPS PASSING THROUGH
STATION 707-U.S. 65 SOUTH
OF THE

HAMPTON STUDY AREA



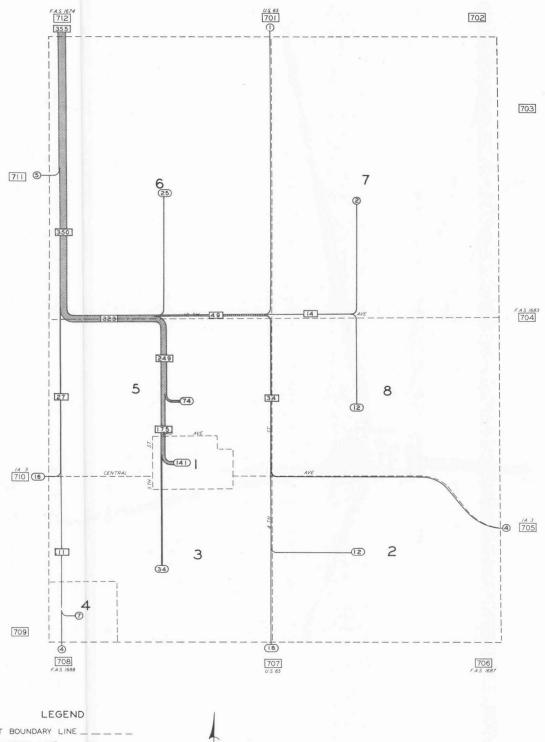




WEEKDAY TRAFFIC 1968

FIGURE 4-5
INTERNAL DISPERSION OF
ALL VEHICULAR TRIPS PASSING THROUGH
STATION 711-LOCAL ROAD WEST
OF THE

HAMPTON STUDY AREA



LEGEND
TRACT BOUNDARY LINE _____
CORPORATION LINE _____
GRAPHIC SCALE

AVERAGE JUNE
WEEKDAY TRAFFIC 1968

FIGURE 4-6
INTERNAL DISPERSION OF
ALL VEHICULAR TRIPS PASSING THROUGH
STATION 712-F.A.S. 1674 NORTH
OF THE
HAMPTON STUDY AREA

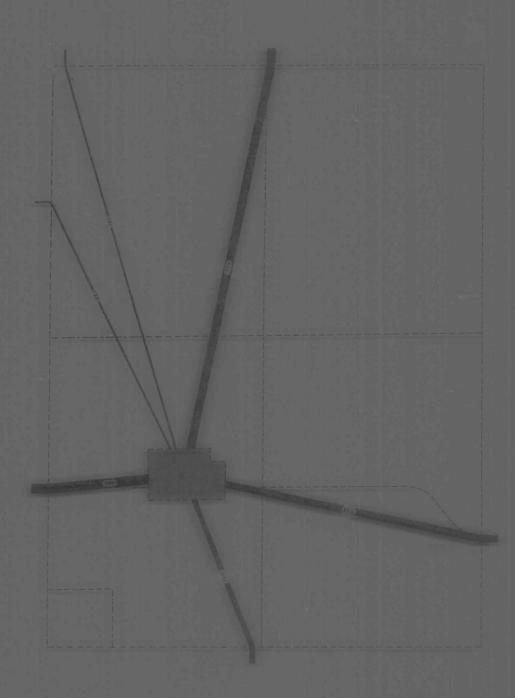
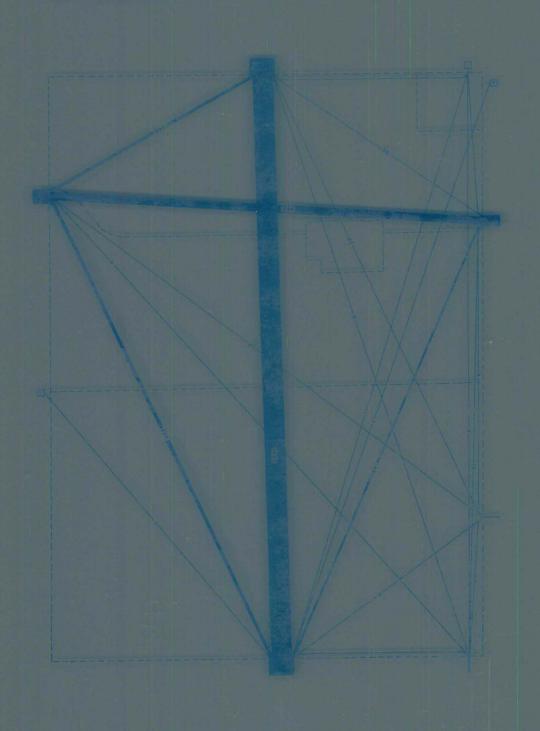
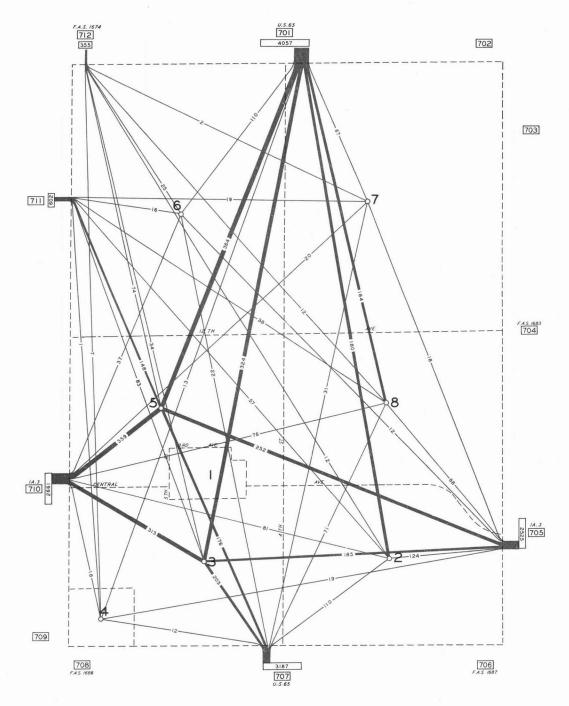


FIGURE 4-7

FIGURE 4-8





LEGEND
TRACT BOUNDARY LINE _____
CORPORATION LINE _____

GRAPHIC SCALE

SOOO TRIPS
2500 TRIPS
1200 TRIPS
600 TRIPS
AVERAGE JUNE
WEEKDAY TRAFFIC 1968

FIGURE 4-9
DESIRE LINES OF TRAVEL OF TRIPS
TO OR FROM
EXTERNAL ENTRANCES OF THE
HAMPTON STUDY AREA

AND
INTERNAL TRACTS

EXTERNAL TRIP TERMINI

Table 4-1 on the adjoining page shows a tabulation of the number and percent of those trips which had termini in Franklin County, rural areas adjacent to the study area, other counties in Iowa, and other states.

The following traffic flow charts illustrate the data shown in Table 4-1 and point out the Iowa terminals of all trips which passed through the Hampton study area at the time of the survey. Figure 4-10 shows the external termini of all trips which originated or terminated beyond Franklin County. Those trips which had termini in other states are shown entering or leaving Iowa on routes which appear to be most direct to the study area. Figure 4-11 is a continuation of Figure 4-10 and shows the external termini of those trips which originated or terminated in Franklin County beyond the cordon line surrounding the study area. All routes shown are approximate and should be interpreted as such.

TABLE 4-1

SUMMARY OF TRIPS ENTERING OR LEAVING THE HAMPTON STUDY AREA

1968 AVERAGE JUNE WEEKDAY TRAFFIC

	Station Location	U.S. Nor		I o wa Eas	1	U.S. Sou		Iowa Wes		Local Northwe Beeds	est to	F.A.S. Nort	
Origin or		Statio	on 701	Statio	on 705	Statio	n 707	Statio	n 710	Statio	n 711	Statio	on 712
Destination		Vol.	%	Vol.	%	Vol.	%	Vol.	%	Vol.	%	Vol.	%
Alexander		1	.02					59	2.22				
Bradford						86	2.70	26	.98				
Burdette						1	.03						
Chapin		139	3.43									56	15.77
Coulter								242	9.09				
Foulkner						3	.09						
Geneva				33	1.31	234	7.35		· ·				
Hansell		2	.05	340	13.46								
Latimer		8	.20					406	15.26	9	1.49	9	2.54
Popejoy						2	.06	15	. 56				
Sheffield		599	14.76									36	10.14
Terrace Hill		299	7.37									3	.85
Beeds Lake		53	1.31					35	1.32	487	80.90	35	9.86
		1 101	07.14	0.50	14.55	206	10.00	500	00.40	100	00.00	100	
Total to Tow		1,101	27.14	373	14.77	326	10.23	783	29.43		82.39	1	39.16
Rural Frankl		536	13.21	304	12.04	343	10.76	493	18.53		16.61		58.03
Other Counti		1,976	48.71	1,737	68.79	2,323	72.89	1,299	48.81		1.00		2.53
Out-of-State		444	10.94	111	4.40	195	6.12	86	3.23	+	100.00	1	. 28
Grand Total		4,057	100.00	2,525	100.00	3,187	100.00	2,661	100.00	602	100.00	355	100.00

FIGURE 4-10
DISPERSION OF EXTERNAL TRIPS
BETWEEN THE HAMPTON STUDY AREA AND
POINTS IN IOWA BEYOND FRANKLIN COUNTY*

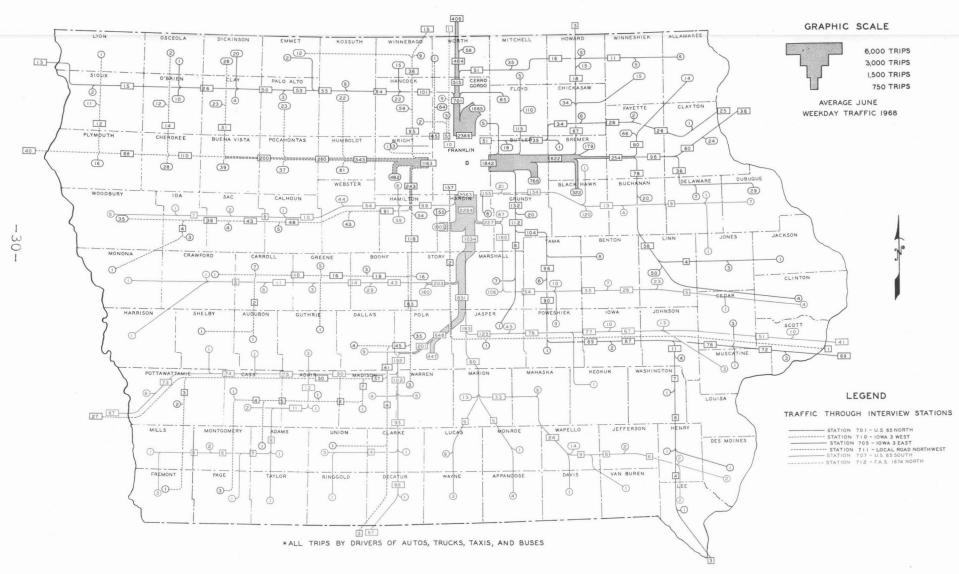


FIGURE 4-II DISPERSION OF EXTERNAL TRIPS BETWEEN THE HAMPTON STUDY AREA AND POINTS WITHIN FRANKLIN COUNTY

ALL TRIPS BY DRIVERS OF AUTOS, TRUCKS, TAXIS, AND BUSES

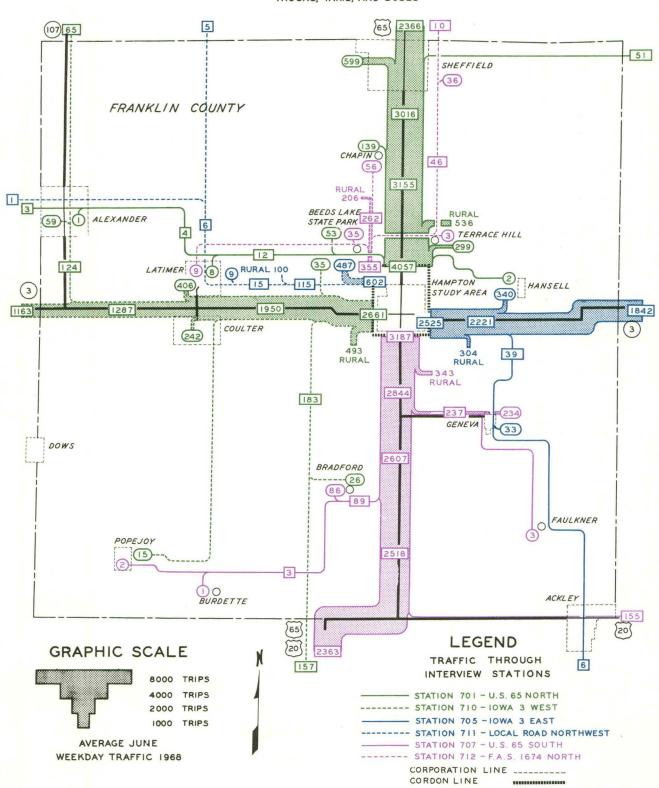
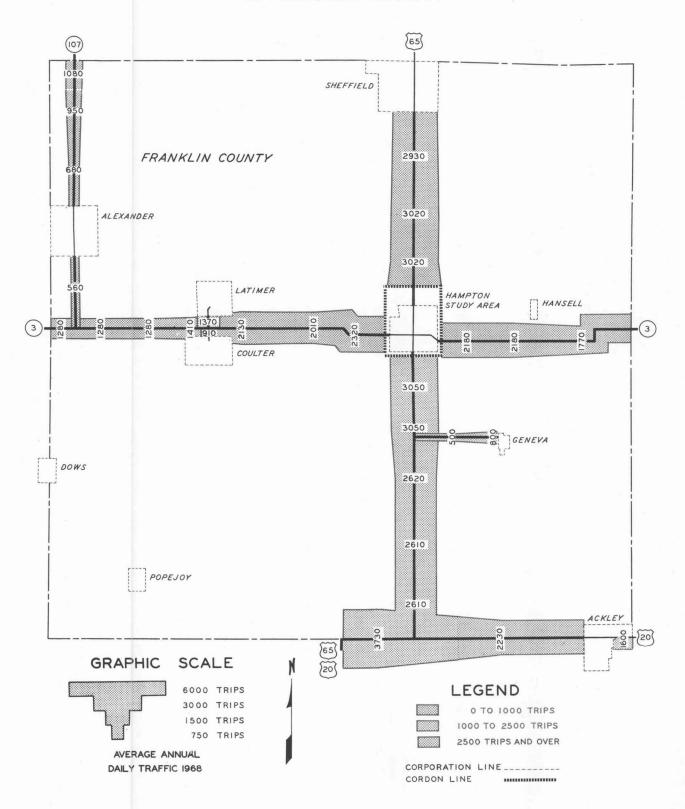
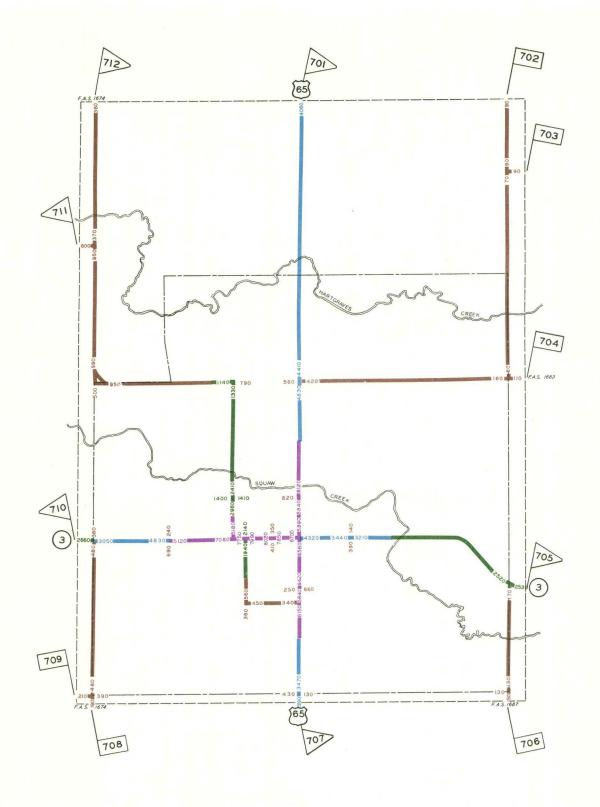


FIGURE 4-12 TRAFFIC VOLUMES ON RURAL PRIMARY HIGHWAYS IN FRANKLIN COUNTY





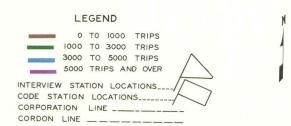
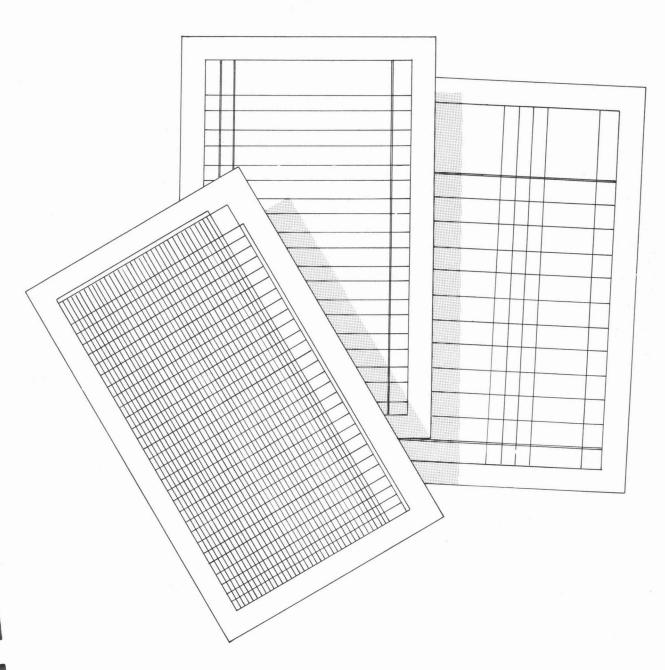


FIGURE 4-13
TRAFFIC VOLUMES ON
PRIMARY ROAD EXTENTIONS
AND MAJOR STREETS IN THE
HAMPTON STUDY AREA

AVERAGE JUNE WEEKDAY TRAFFIC 1968

Appendix



Part Five

-36-

HAMPTON STUDY AREA

TRIP PURPOSE OF EXTERNAL TRIPS
BY AUTOS, TRUCKS, TAXIS, AND BUSES
AVERAGE JUNE WEEKDAY TRAFFIC 1968

Table P-2a(1) EVERPNAT TOCAL MRID

-	Station	701	705	707	710	711	712		
	Trip Purpose	U.S. 65 North	Iowa 3 East	U.S. 65 South	Iowa 3 West	Local Road Northwest	F.A.S. 1674 North	Total Traffic	Total Trips
	Work	303	220	178	349	57	72	1,179	1,179
	Personal Business	206	90	102	219	28	22	667	667
	During Work	367	205	257	334	48	68	1,279	1,279
Purpose	Medical or Dental	52	55	30	58	1	2	198	198
Pur	School	23	32	24	15	2	5	101	101
Trip	Social or Recreation	563	250	247	362	285	49	1,756	1,756
	Eat	89	54	42	68	22	25	300	300
	Shop	304	336	153	256	49	51	1,149	1,149
	Serve Passengers	35	49	33	39	20	13	189	189
To	tal Traffic	1,942	1,291	1,066	1,700	512	307	6,818	
To	tal Trips	1,942	1,291	1,066	1,700	512	307		6,818

Table B-2a(3) SUMMARY - ALL EXTERNAL TRIPS

	tation	701	705	707	710	711	712		
	Trip Purpose	U.S. 65 North	Iowa 3 East	U.S. 65 South	Iowa 3 West	Local Road Northwest	F.A.S. 1674 North	Total Traffic	Total Trips
	Work	475	326	373	435	63	80	1,752	1,466
	Personal Business	378	187	282	294	30	26	1,197	932
	During Work	1,188	552	1,070	614	53	83	3,560	2,422
Purpose	Medical or Dental	75	61	51	64	1	2	254	226
200	School	55	84	54	43	2	5	243	172
Trip	Social or Recreation	1,332	825	1,012	811	358	64	4,402	3,081
	Eat	99	61	50	73	22	25	330	315
	Shop	392	362	230	272	49	55	1,360	1,255
	Serve Passengers	63	67	65	55	24	15	289	239
To	tal Traffic	4,057	2,525	3,187	2,661	602	355	13,387	
To	tal Trips	3,002	1,908	2,127	2,181	557	333		10,108

	Station	701	705	707	710	711	712		
	Trip Purpose	U.S. 65 North	Iowa 3 East	U.S. 65 South	Iowa 3 West	Local Road Northwest	F.A.S. 1674 North	Total Traffic	Total Trips
	Work	172	106	195	86	6	8	573	287
	Personal Business	172	97	180	75	2	4	530	265
	During Work	821	347	813	280	5	15	2,281	1,143
se	Medical or Dental	23	6	21	6			56	28
Purpose	School	32	52	30	28			142	71
Trip P	Social or Recreation	769	575	765	449	73	15	2,646	1,325
Tr	Eat	10	7	8	5			30	15
	Shop	88	26	77	16		4	211	106
	Serve Passengers	28	18	32	16	4	2	100	50
T	otal Traffic	2,115	1,234	2,121	961	90	48	6,569	
Tre	otal Trips	1,060	617	1,061	481	45	26		3,290

AVERAGE CAR OCCUPANCY BY TRIP PURPOSE AVERAGE JUNE WEEKDAY TRAFFIC 1968

EXTERNAL LOCAL TRIPS

Table B-3a(1)

				Trip	Purpose	- Destinatio	n				
Trip Purpose Origin	Work	Personal Business	During Work	Medical or Dental	School	Social or Recreation	Eat	Shop	Serve Pass.	Home	Average Occupanc
Work		1.161	1.000	3.000		1.385	1.184	1.897	1.834	1.234	1.262
Personal Business	1.400	1.691	1.000	2.000	2.000	2.172	2.000	4.000	2.000	1.532	1.632
During Work	1.000		1.282				1.000			1.128	1.274
Medical or Dental				3.000		1.163	3.054	2.000	3.803	2.112	2.177
School					3.313	1.000		1.911		2.007	2.187
Social or Recreation	1.340	1.893	1.157	2.442		3.072	3.001	2.759	3.468	2.367	2.505
Eat	1.335	1.994	1.607			3.335		2.347	2.000	2.124	2.479
Shop	1.688	1.000	1.000			2.453	2.000	2.023	3.629	2.017	2.067
Serve Passengers	1.372					2.994	1.640	2.502	3.257	2.546	2.523
Home	1.266	1.590	1.174	2.083	1.949	2.408	2.618	2.068	2.945		2.010
Average Occupancy	1.283	1.605	1.275	2.108	2.169	2.516	2.302	2.108	2.936	1.887	1.949

EXTERNAL THROUGH TRIPS

Table B-3a(2)

				Trip	Purpose	- Destinatio	n				
Trip Purpose Origin	Work	Personal Business	During Work	Medical or Dental	School	Social or Recreation	Eat	Shop	Serve Pass.	Home	Average Occupano
Work		1.496	1.184			1.464			1.336	1.435	1.423
Personal Business		1.974				3.428				1.750	1.821
During Work	1.000	1.000	1.271			1.000	1.000			1.315	1.271
Medical or Dental						3.008				2.092	2.109
School					3.000	1.719			2.290	1.759	1.788
Social or Recreation	1.242	1.000	1.335		2.000	3.022	2.632		3.257	2.718	2.814
Eat	1.000	2.265		1.000		3.021				2.025	2.697
Shop	1.000	2.000	2.000			3,721		2.000	1.000	2.407	2.563
Serve Passengers		2.000				5.435			1.000	2.503	2.523
Home	1.419	1.928	1.661	2.394	2.023	2.775	2.496	2.513	2.868		2.480
Average Occupancy	1.398	1.910	1.381	2.326	2.057	2.860	2.447	2.503	2.693	2.257	2.233

SUMMARY - ALL EXTERNAL TRIPS

Table B-3a(3)

				Trip	Purpose	- Destinatio	n				
Trip Purpose Origin	Work	Personal Business	During Work	Medical or Dental	School	Social or Recreation	Eat	Shop	Serve Pass.	Home	Average Occupancy
Work		1.209	1.096	3.000		1.395	1.184	1.897	1.747	1.279	1.296
Personal Business	1.400	1.741	1.000	2.000	2.000	2.304	2.000	4.000	2.000	1.587	1.674
During Work	1.000	1,000	1.277			1.000	1.000			1.230	1.283
Medical or Dental				3.000		2.086	3.054	2.000	3.803	2.109	2.177
School					3.291	1.540		1.911	2.290	1.874	1.987
Social or Recreation	1.322	1.801	1.193	2.442	2.000	3.041	2.956	2.759	3.412	2.520	2.647
Eat	1.315	2.073	1.607	1.000		3.246		2.347	2.000	2.117	2.516
Shop	1.656	1.113	1.140			2.581	2.000	2.022	3.306	2.054	2.113
Serve Passengers	1.372	2.000				3.808	1.640	2.502	2.966	2.538	2.611
Home	1.286	1.702	1.392	2.117	1.969	2.560	2.615	2.099	2.928		2.140
Average Occupancy	1.298	1.700	1.278	2.132	2.142	2.663	2.308	2.133	2.884	1.988	2.036

TABLE E-I

DIRECTIONAL TRIPS BETWEEN STATIONS AND TRACTS AVERAGE JUNE WEEKDAY TRAFFIC 1968

		V	EHICLE	TRIPS					VE	HICLE	TRIPS					V	EHICLE	TRIPS		
From	ТО	Auto	Pickup and Panel	Single Unit & Bus	Semi Truck	Total	From	То	Auto	Pickup and Panel	Single Unit & Bus	Semi Truck	Total	From	То	Auto	Pickup and Panel	Single Unit & Bus	Semi Truck	Total
1 2 3 4 5	701 701 701 701 701	271 100 150 3 166	58 9 23 1 24	14 2 5	8 5 3	351 111 183 4 198	1 2 3	711 711 711	52 27 38	16 1 2	2		68 28 42	707	1	177	36	10	10	233
6 7 8 Cl. 2	701 701 701 Total	47 34 107 878	7 7 8 137	1 1 2 30	17	55 42 118 1,062	4 5 6 7 8	711 711 711 711 711	1 74 10 9 20	9 1 2	5		1 88 11 9 22	707 707 707 707 707	2 3 4 5 6	38 66 3 69 13	2 12 3 7	2 5 4	1 2	42 84 6 82 13
1 2	705 705	214 54	22 4	13	3 1	252 59	C1. 2	Total	231	31	7		269	707 707 Cl. 3	7 8 Total	10 35 4 11	3 63	21	<u>1</u> 14	10 39 509
3 4 5 6 7	705 705 705 705 705 705	79 9 105 8 9	16 1 7	8	1	105 10 126 8 9	1 2 3 4 5	712 712 712 712 712 712	52 1 9 1 28	13 6 2 5	2 1 2 1	1	67 2 17 4 35	710 710 710	1 2 3	337 30 130	48 1 28	28 1 13	3	416 32 175
8 Cl. 2	705 Total	43 521	9 59	35	1 8	54 623	6 7 8 Cl. 2	712 712 712 712 Total	5 1 7 104	29	9	1	10 1 7 143	710 710 710 710 710 710	4 5 6 7 8	11 154 16 11 30	1 23	1 3 4 1		13 180 16 15 32
1 2 3 4	707 707 707 707	168 57 94 1	23 6 12 4	12 5 6	5 7 1	208 68 119 6	701 701	1 2	283 58	44 8	18 3	4	3 4 9 69	C1. 3	Total	719	102	51	7	879
5 6 7 8 Cl. 2	707 707 707 707 Total	83 8 19 28 458	7 1 2 55	3 1 1 28	1 1 1 16	94 9 21 32 557	701 701 701 701 701	3 4 5 6 7	121 5 136 40 23	10 19 11 2	6 1 6 4	4 3 5	141 9 166 55 25	711 711 711 711 711	1 2 3 5 6	63 26 34 49 5	17 3 6 9	2 1 2		82 29 41 60 5
1	710	303	47	24	6	380	701 Cl. 3	8 Total	55 721	9 103	40	16	66 880	711 711 Cl. 3	7 8 Total	8 16 201	37	5		10 16 243
2 3 4 5 6	710 710 710 710 710 710	40 100 4 147 16	4 21 1 24 5	5 16 5	1 3	49 138 5 179 21	705 705 705 705	1 2 3 4	292 58 58 9	37 3 14	9 3 6	3 1 2	341 65 80 9	712 712 712 712 712	1 2 3 4	52 6 10 2	16 1 4	6 3 3 1		74 10 17 3
7 8 Cl. 2	710 710 Total	3 43 656	1 103	1 1 52	10	5 44 821	705 705 705 705 Cl. 3	5 6 7 8 Total	103 4 9 32 565	8 2 64	32	7	126 4 9 34 668	712 712 712 712 712 Cl. 3	5 6 7 8 Total	36 13 1 5	2 23	2	1	39 15 1 5

138

TABLE E - I (CONTINUED)

DIRECTIONAL TRIPS BETWEEN STATIONS AND TRACTS

AVERAGE JUNE WEEKDAY TRAFFIC 1968

		V	EHICLE	TRIPS					VE	HICLE	TRIPS					V	EHICLE	TRIPS		
From	То	Auto	Pickup and Panel	Single Unit & Bus	Semi Truck	Total	From	То	Auto	Pickup and Panel	Single Unit & Bus	Semi Truck	Total	From	То	Auto	Pickup and Panel	Single Unit & Bus	Semi Truck	Total
701 701 701 701 701	705 707 710 711 712	79 589 57 5	9 65 7	6 59 5	10 111 3	104 824 72 5 1	707 707 707 707 707	701 705 710 711 712	620 95 37 21 4	64 7 4 1	60 12 1	129 6 3	873 120 45 22 8	711 711 711 711 711	701 705 707 710 712	3 10 15 1 2	1 1 1 1 1	bus		4 10 16 2 4
704 705 707 708 709	701 701 701 701 701	1 118 620	15 6 4	8 60 1	10 129	1 151 873 1 3	701 705 708 710 711	707 707 707 707 707	589 116 1 45 15	65 13 4 1	59 10 3	111 9 2	824 148 1 54 16	701 705 707 710 712	711 711 711 711 711	5 11 21 11	3 1 1		= = =	5 14 22 12
Cl.2&3	701 701 Total Total Total	1,599	8 1 169 240 409	5 144 70 214	5 268 33 301	76 4 2,115 1,942 4,057	C1.2&3		4 1,547 869 2,416	3 163 118 281	3 150 49 199	261 30 291	10 2,121 1,066 3,187	C1. 4 C1. 711	Total Total Total	80 432 512	9 68 77	1 12 13		90 512 602
705	701	118	15	8	10	151	710 710	701 705	58 233	8 23	5 14	5 20	76 290	712 712 712	705 707 708	1 4 1	3 1	3 1	1	2 10 3
705 705 705 705 701	707 710 711 712 705	116 315 11 1 79	13 33 3	10 17 6	9 28 1 10	148 393 14 2 104	710 710 710 710 710	707 708 711 712 710	45 1 11 5 57	4 1 1 7	3 1 5	1 3	54 1 12 8 72	712 712 701 705 707	710 711 712 712 712	4 1 1 1 4	1.	1 2	1 1 1	8 1 1 2 8
707 710 711 712 Cl. 4	705 705 705 705 Total	95 233 10 1	7 23	12 14	6 20 1 85	120 290 10 2	705 707 711 712 Cl. 4	710 710 710 710 710 Total	315 37 1 4 767	33 4 1 2 84	17 1 1 47	28 3 1 63	393 45 2 8	708 710 711 C1. 4	712 712 712 712 Total	5 2 24 229	1 1 1 10 52	1 1 9	1 5	1 8 4 48
	Total Total		123 226	67	15 100	1,291 2,525	Annessen married access	Total Total	1,375	205 289	103 150	17 80	1,700	712	Total	253	62	33	7	307 355
					,															
										1111	1-									

139

TABLE E-2

NONDIRECTIONAL TRIPS BETWEEN STATIONS AND TRACTS AVERAGE JUNE WEEKDAY TRAFFIC 1968

		V	EHICLE	TRIPS					VI	EHICLE	TRIPS					٧	EHICLE	TRIPS		
Betw	reen	Auto	Pickup and Panel	Single Unit & Bus	Semi Truck	Total	Betw	een	Auto	Pickup and Panel	Single Unit & Bus	Semi Truck	Total	Betw	reen	Auto	Pickup and Panel	Single Unit & Bus	Semi Truck	Total
701 701 701 701 701	1 2 3 4 5	554 158 271 8 302	102 17 33 1 43	32 5 11 1	9 3 8	700 180 324 13 364	711 711 711 711 711	1 2 3 4 5	115 53 72 1 123	33 4 8	2 3 7		150 57 83 1 148	707 707 707	701 705 708	1,209 211 1	129 20	119 22	240 15	1,697 268 1
701 701 701	6 7 8 Total	87 57 162 1,599	18 9 17 240	5 1 4 70	1 33	110 67 184 1,942	711 711 711 C1.2&3	6 7 8 Total	15 17 36 432	1 2 2 68	12		16 19 38 512	707 707 707 Cl. 4	710 711 712 Total	82 36 8	8 2 4	4 5 150	5 1 261	99 38 18 2,121
														C1.2&3	Total	869	118	49 199	30	1,066 3,187
705 705	1 2	506 112	59 7	22	6 2	593 124	712 712	1 2	104	29	8		141							
705 705 705 705 705	3 4 5 6 7	137 18 208 12 18	30 1 15	1.4 27	2	185 19 252 12 18	712 712 712 712 712 712	3 4 5 6 7	19 3 64 18 2	10 2 7 3	5 2 1 4	2	34 7 74 25 2	710 710 710 710 710 710	701 705 707 708 711	115 548 82 1 12	15 56 8	10 31 4	8 48 5	148 683 99 1 14
705 Cl.2&3	8 Total	75 1,086	11 123	67	1 15	88 1,291	712 Cl.2&3	8 Total	12 229	52	24	2	12 307	710 C1.4 C1.2&3	712 Total Total Total	The second second	3 84 205 289	2 47 103 150	2 63 17 80	16 961 1,700 2,661
707 707 707 707	1 2 3 4	345 95 160 4	59 8 24 7	22 7 11	15 8 1	441 110 203 12	701 701 701 701	704 705 707 708	1 197 1,209	24 129	14 119 1	20 240	1 255 1,697	711 711	701 705	8 21	1 3			9 24
707 707 707 707	5 6 7 8 Total	152 21 29 63	14 1 5	7 1 1	3 1 2 30	176 22 31 71 1,066	701 701 701 701 C1. 4	709 710 711 712 Total	3 115 8 1	15 1	10	8	3 148 9 1	711 711 711 Cl. 4	Desiration of the Parket Parke	36 12 3 80	2 2 1 9	1		38 14 5 90
21,200	Total	809	110	43	30	1,000	C1. 4 C1. 2&3	Total	1,534 1,599 3,133	240 409	70 214	33	2,115 1,942 4,057	711	Total	432 512	77	12		512 602
710	1	640	95	52	9	796														
710 710 710 710 710	2 3 4 5 6	70 230 15 301 32	5 49 2 47 5	6 29 1 8	5	81 313 18 359 37	705 705 705 705 705	701 707 710 711 712	197 211 548 21 2	24 20 56 3	14 22 31	20 15 48	255 268 683 24 4	712 712 712 712 712 712	701 705 707 708 710	1 2 8 1 9	4 2 3	5 1 2	2 1 2	1 4 18 4 16
710 710	7 8 Total	14 73 1,375	1 1 205	5 2	17	20 76	C1. 4 C1. 2&3	Total Total	979 1,086	103 123	67 67	85 15	1,234 1,291	712 C1. 4	711 Total	3 24	1 10	1 9	5	5 48
1. 203	rotal	1,3/5	205	103	17	1,700	705	Total	2,065	226	134	100	2,525	C1.283	Total Total	229 253	52 62	33	7	307 355

-40-

