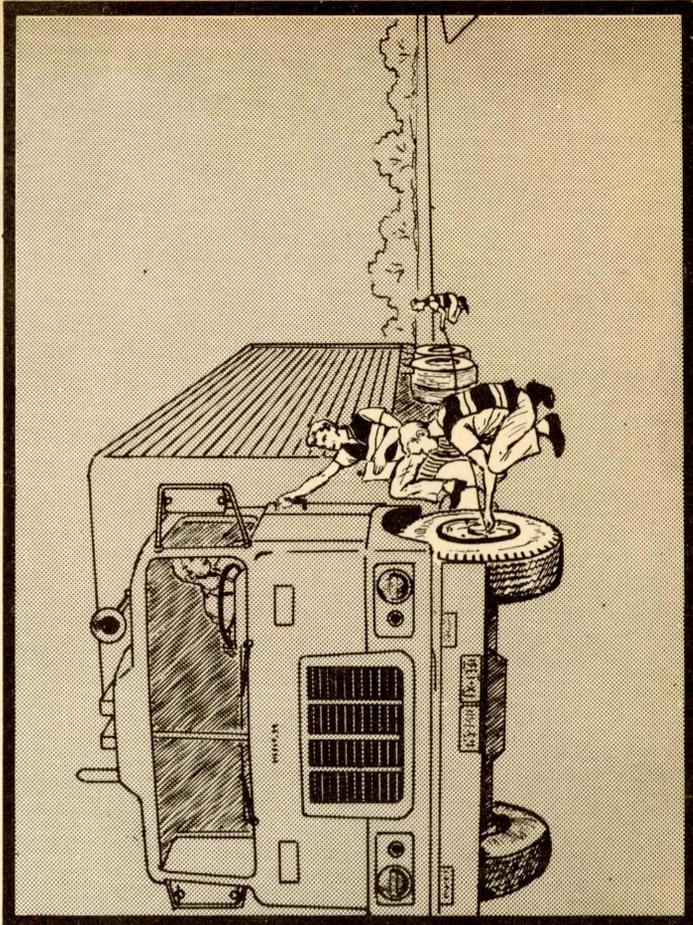
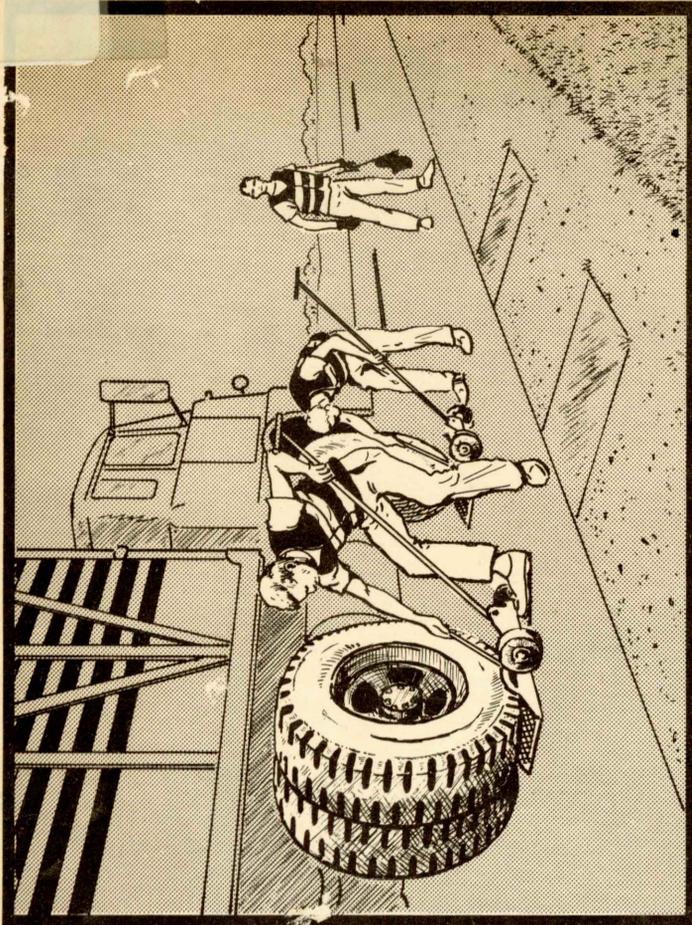


IOWA Analysis of Traffic Volume and Weight Study

1967



STATE OF IOWA
ANALYSIS OF
TRAFFIC VOLUME AND WEIGHT STUDY

FOR
OPERATIONAL PERIOD
July 5, 1967 to September 1, 1967

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

\$ 3.82

1967 TRUCK WEIGHT STUDY

Summary

During the period from July 5, 1967, to September 1, 1967, the Iowa State Highway Commission conducted its annual program of gathering statistical data from commercial vehicles operating on the Primary Road system of Iowa. Data were gathered at sixteen different station locations as shown on the map in Figure 1. Eight of these station locations were on the Rural Primary System, two were on the Primary Road Extensions in Urban Areas and six were on the Rural Interstate System. Station 59-F was reactivated this year after not being operated for the years 1965 and 1966 due to road construction. Stations 94-Q, 95-R, and 96-T were put into operation at the completed pit scale locations on the Rural Interstate System.

Seven of the fourteen rural stations and the two urban stations were weighed and counted for the full twenty-four hours, with these operations being carried out simultaneously. The remaining seven rural stations involved sixteen hours (6 a.m. to 10 p.m.) of simultaneous weighing and counting. Weighing operations were not conducted at these seven remaining rural stations during the 10 p.m. to 6 a.m. cycle due to the low volume of traffic. The vehicle classification counts for this cycle at these stations were made from Friday, July 7, 1967 (10 p.m.) to Saturday, July 8, 1967 (6 a.m.).

The General Dynamic Portable Scale (GD-MD-400) was used for the first time this year (1967), replacing the (GD-MD-300) which was used last year (1966). These scales were used to weigh at seven of the fourteen rural stations and also at the two urban stations.

The results of this study are used at the state, regional, and national level in the consideration of the following items:

1. Transportation policies
2. Allocation of highway costs and revenue
3. Size and weight regulations
4. Establishment of geometric design criteria relating to the size and weight of vehicles
5. Pavement design for establishment of procedures and design criteria
6. For a variety of special administrative, planning, design, and research studies

Tables W-1 through W-7 are prepared according to instructions and suggestions as provided by the United States Bureau of Public Roads, in its instructional memorandum 50-4-66(4) dated June 14, 1967. Tables W-2 through W-5 and W-7 are comparative tables relating the current 1967 data to corresponding data from the previous year (1966). Only twelve of the sixteen stations were used for this comparable data. All "W" Tables are prepared using the IBM 1410 Truck Weight System, developed cooperatively by the states of Minnesota, Wisconsin, Michigan, and Iowa. The computer-printed tabulations are prepared on the IBM 360 and are affixed directly on oversized forms which are photo-reduced for preparation of the final report.

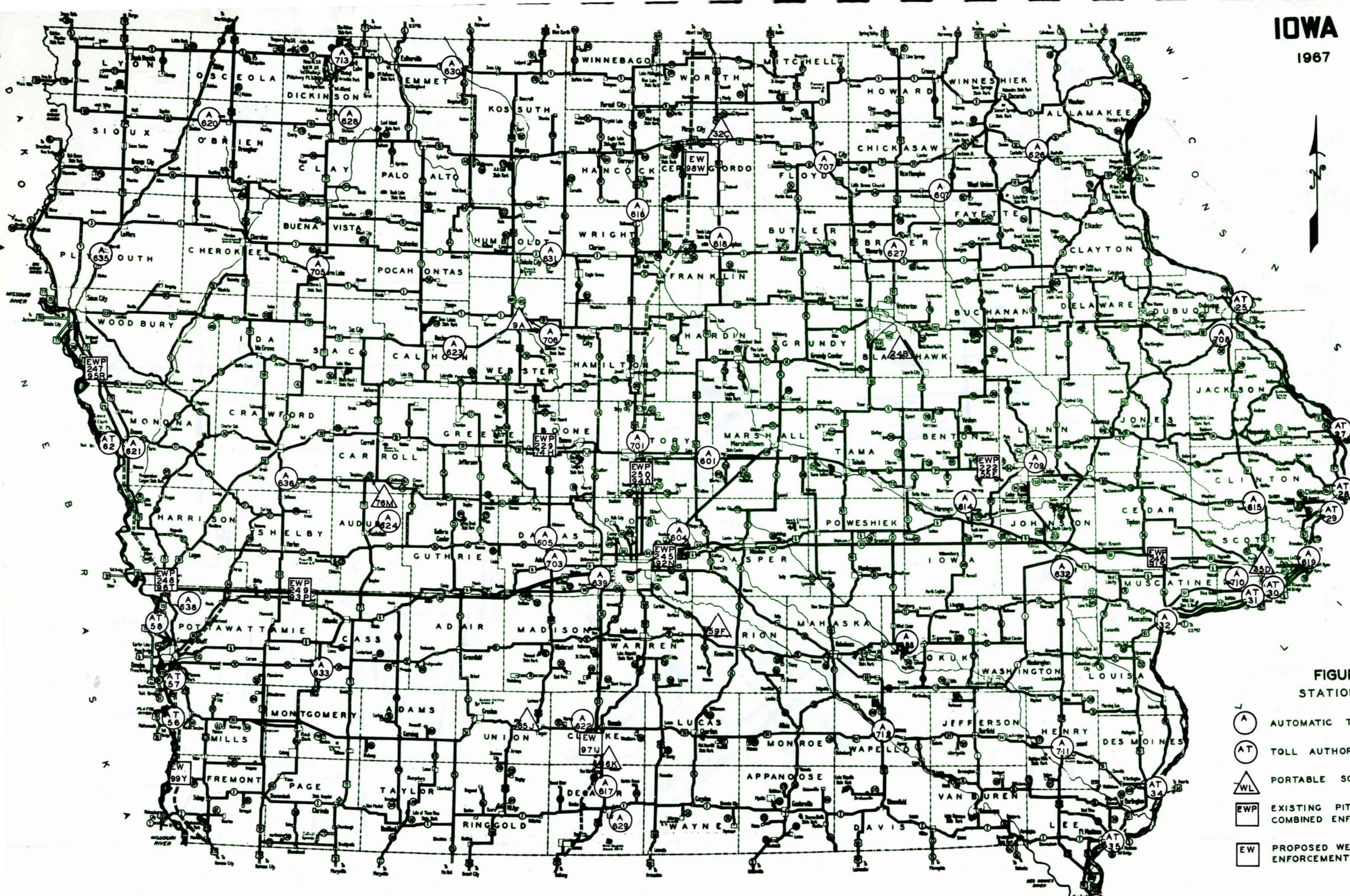
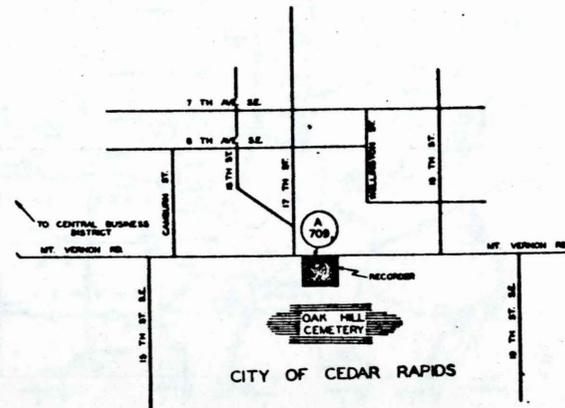
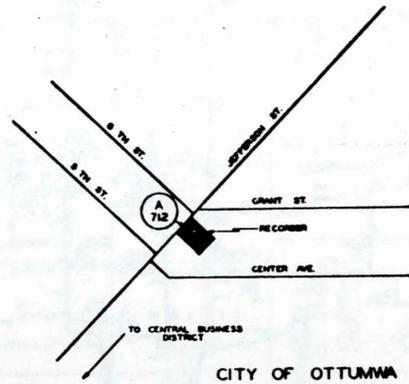
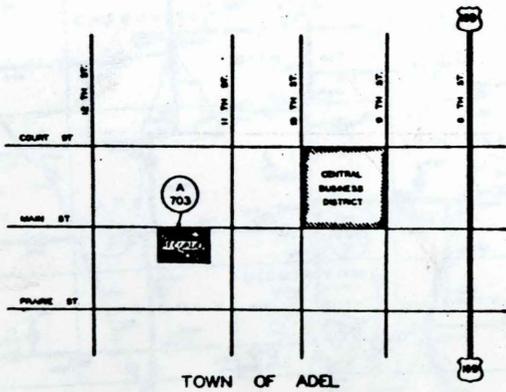
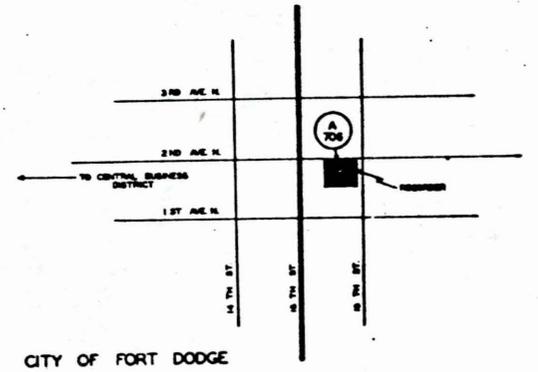
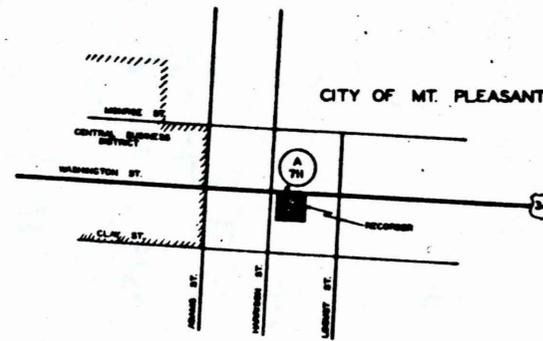
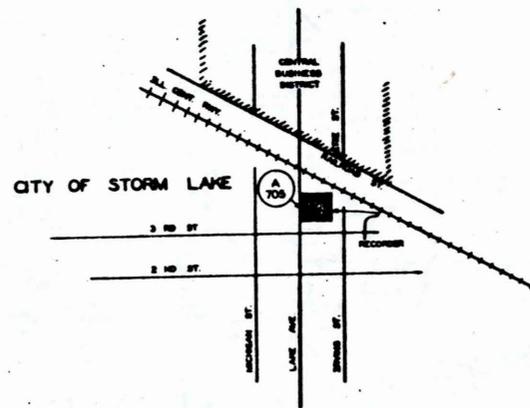
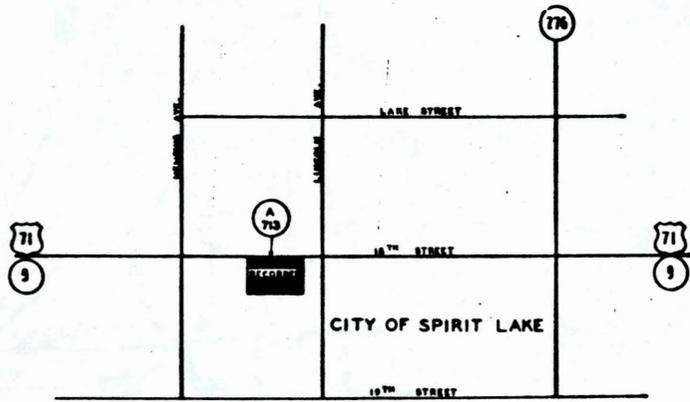
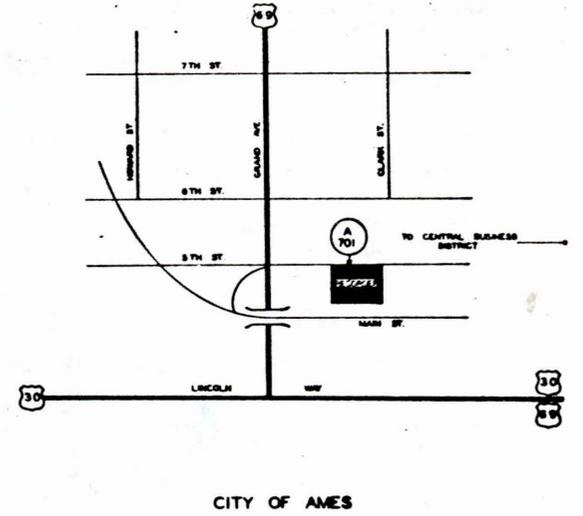
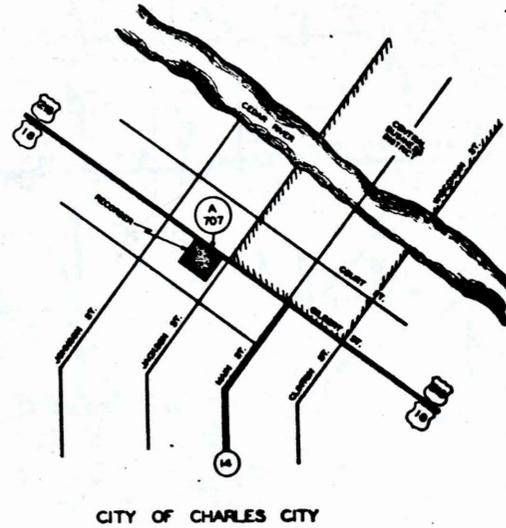
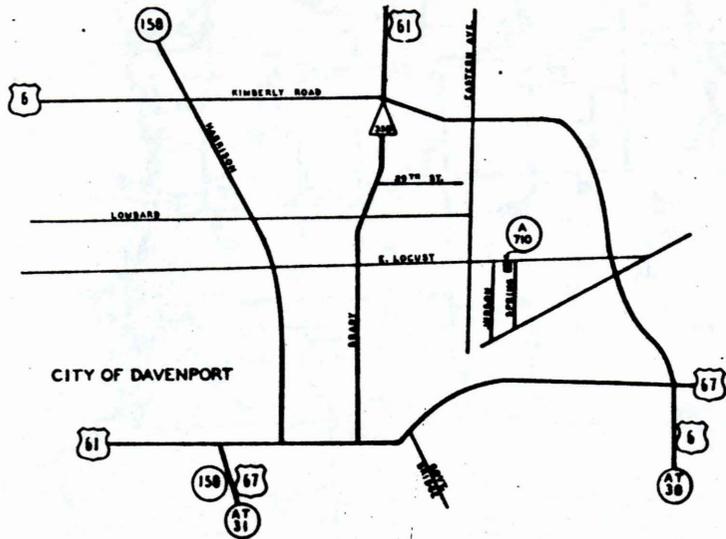


FIGURE NO. 1
STATION LOCATIONS

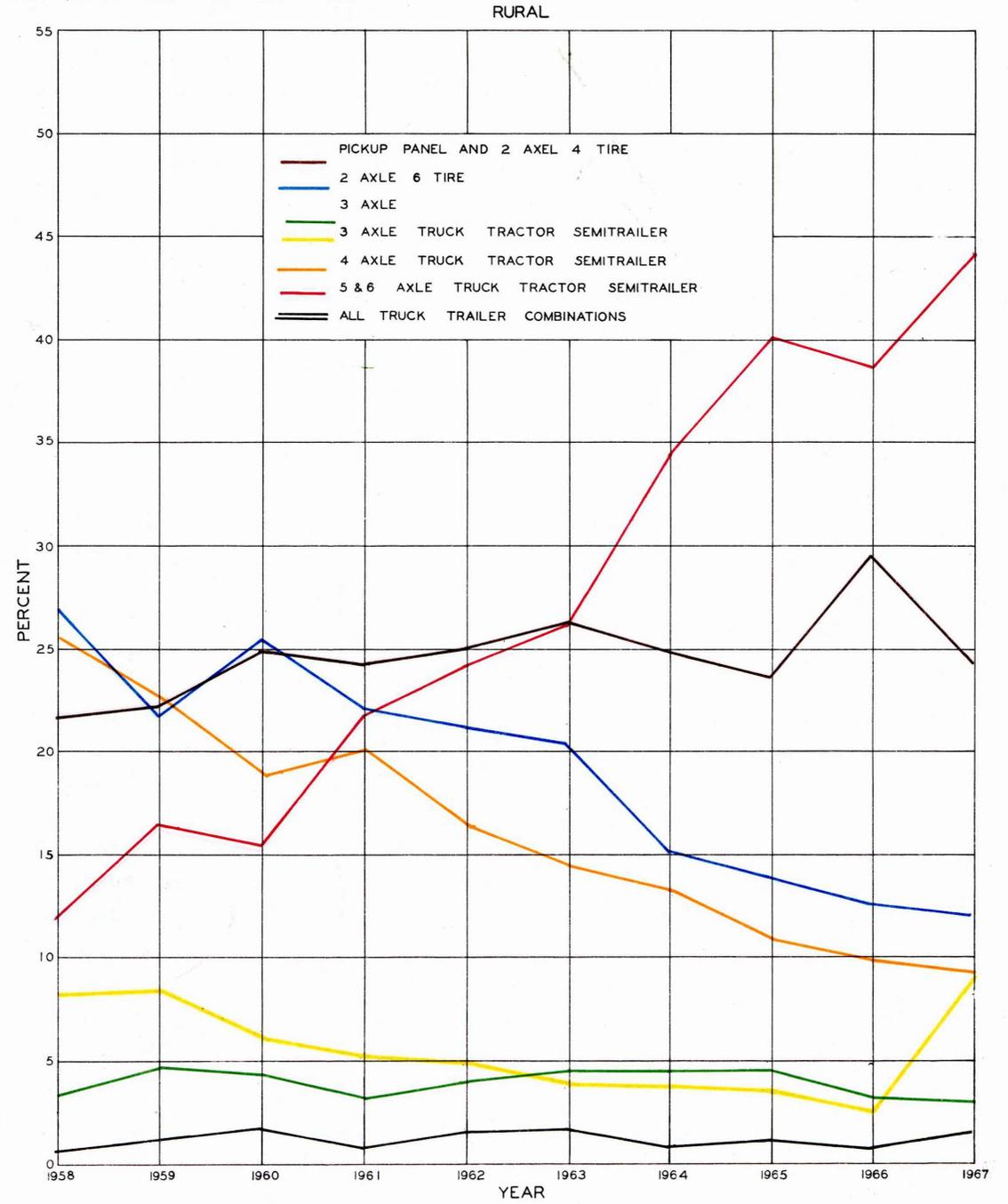
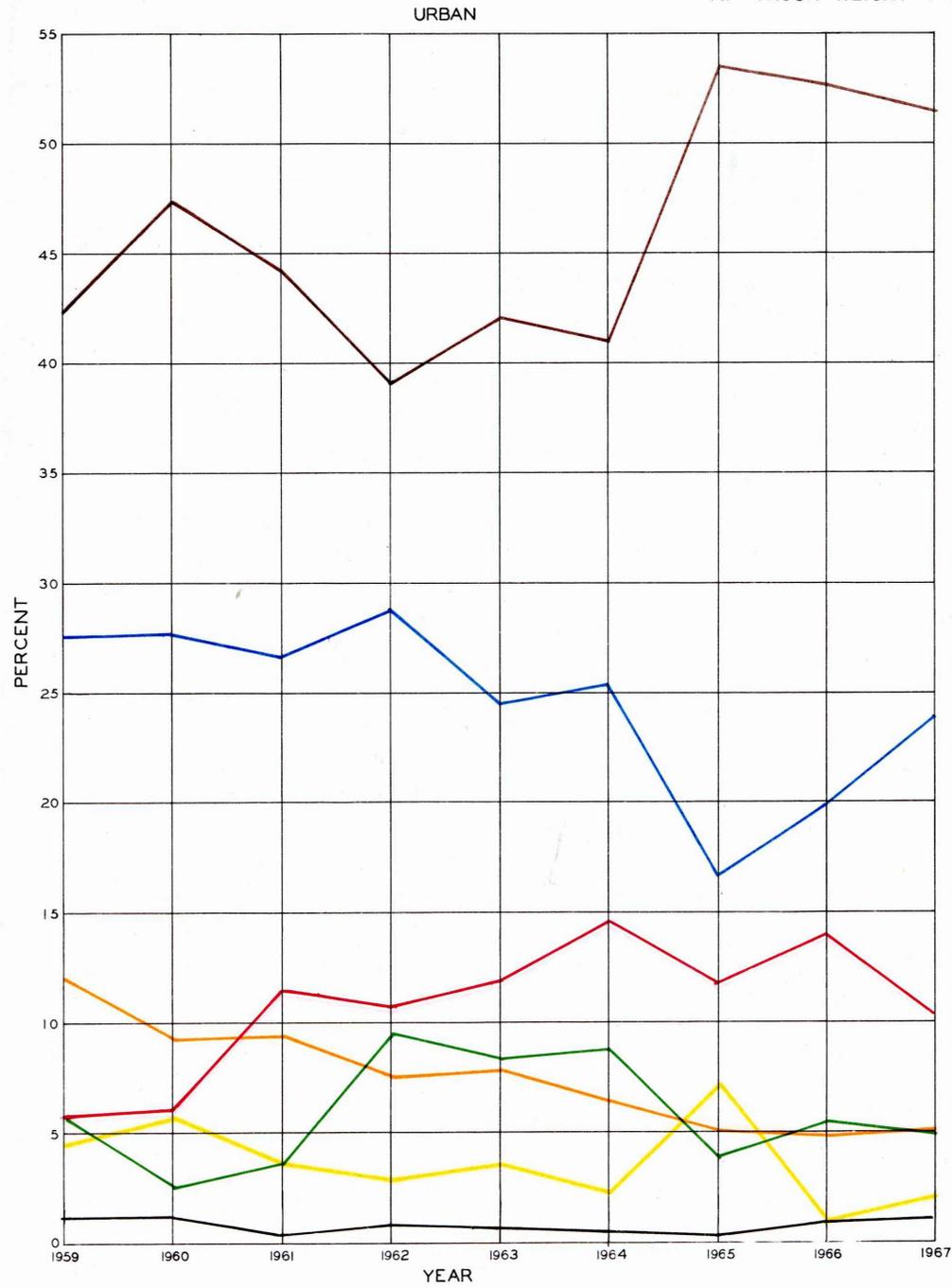
-  AUTOMATIC TRAFFIC RECORDER
-  TOLL AUTHORITY
-  PORTABLE SCALE STATIONS
-  EXISTING PIT SCALES WEIGHT STATION,
COMBINED ENFORCEMENT, PLANNING AND RESEARCH
-  PROPOSED WEIGHT STATION, COMBINED
ENFORCEMENT, PLANNING AND RESEARCH



- FIGURE NO. II
MUNICIPAL LOCATIONS
- (A) AUTOMATIC TRAFFIC RECORDERS
 - (AT) TOLL AUTHORITY
 - (△) PORTABLE SCALE STATION

FIGURE III

PERCENT DISTRIBUTION OF VARIOUS TRUCK TYPES OF THE TOTAL TRUCKS COUNTED
AT TRUCK WEIGHT STATIONS FOR THE YEARS 1957 THROUGH 1966



ABBREVIATIONS USED IN W-1 TABLES

Scale Type and Personnel		Roadway and Pavement Characteristics		Environment	
<u>Abbreviation</u>	<u>Description</u>	<u>Abbreviation</u>	<u>Description</u>	<u>Abbreviation</u>	<u>Description</u>
L 2+2 = 4	Size of scale	NBW	Northbound weighed	FEB	Full control of access eastbound
Loadometer	Make of scales	NEBW	Northeastbound weighed	PEB	Partial control of access eastbound
PR	Planning and research	SBW	Southbound weighed	NEB	No control of access eastbound
PR & E	Planning, research and enforcement	SEBW	Southeastbound weighed	70/50	Daylight speed limit
150 Days	Number of days used for enforcement	EBW	Eastbound weighed	N60/60	Nighttime speed limit
SR	Safety rest area used as weighing site	I	Bituminous concrete, sheet asphalt, or rock asphalt	300 NP	300 feet from a no passing zone
PM	Pavement used as weighing site	I3	Bituminous concrete, sheet asphalt, or rock asphalt (resurfacing with 1 inch or more on portland cement concrete base)	750 SG	750 feet from traffic signal
VCC	Personnel responsible for making vehicle classification counts	J	Portland cement concrete	OPN	Undeveloped land
Int, RCD	Personnel interviewing truck drivers and recording the information	1 x 12 = 12	Number of lanes and width	APT	High density residential apartments of 4 storeis or more, apartment hotels
FGM	Personnel responsible for flagging trucks and other vehicles	2 x 12 = 24	Number of lanes and width	LID	Manufacturing, light industry and landscaped industrial parks
LD, TM	Personnel operating scales and making tape measurements	P.3.0	Present serviceability rating	RSC	Retail, regional shopping and central business district
SUP	Supervisor	D13 or D 10	Thickness of surface		
OTH	Other scale party personnel	SHG06	Shoulder covering and width (grass 6 feet)		
		SHC	Shoulder curbed		
		SHS	Shoulder gravel or stone		
		M-G 38	Median covering and width (grass 38 feet)		

STATE OF IOWA

TABLE W-1 - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	ROUTE NUMBER AND HIGHWAY SYSTEM	DESCRIPTION OF STATION LOCATION	SCALE TYPE AND PERSONNEL	ROADWAY AND PAVEMENT CHARACTERISTICS	ENVIRONMENT	RELATIONSHIP TO OTHER PLANNING RESEARCH AND EXPERIMENTAL SECTIONS	TRAFFIC ON THE ROAD SECTION	YEAR	TIME DAY, DATE, HOURS	VEHICLES WEIGHED														TOTAL VEHICLES WEIGHED
										SINGLE-UNIT TRUCKS				TRACTOR-SEMITRAILER COMBINATION				TRUCK AND TRAILER COMBINATION				TWO-TRAILER COMBINATION		
										PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3 AXLE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	5 AXLE OR LESS	6 AXLE OR MORE	
92N	Int. 80 and Ia. 64 H.S. (01M) Final	On I-80 & Ia. 64 1/2 mile West of U.S. 65 Interchange Est. 1966 (Pit Scale Location)	P 24+24=48 Fairbanks Morse PR and E 1 VCC 2 INT, RCD 4 FGM 4 LD, TM 1 SUP 1 OTH	EBW, J, 2x12=24 P 4.4 D10 SH-I10 M-G 38	F, EB 75, N 65, OPN	1 Mile West of Rural O & D Study Station (1964)	1967ADT 13721 1966ADT R-2179 F-1449 1966ADT 13350 1966ADT R-1438 F-951	1967	Tue 8-22 6AM-2PM(1)	50	12	104	22	27	67	254	1	1	4	2	19	1	564	
								1966	Fri 8-26 6AM-2PM	63	8	122	44	28	82	341		2	3	3		14	2	712
								1967	Tue 8-15 2PM-10PM	68	15	82	25	31	98	406	3	3	10	2		21	2	766
								1966	Fri 8-19 2PM-10PM	67	16	100	26	41	77	337	1	1	4	4	1	10	1	686
								1967	Mon 8-28 10PM-6AM	10	1	19	13	14	67	380		1	3	1		27	3	539
								1966	Thur 8-11 10PM-6AM	4	3	30	9	11	67	350	1	5	3	1	1	24	2	511
								1967	Total 24 Hours	128	28	205	60	72	232	1040	4	5	17	5		67	6	1869
1966	Total 24 Hours (3)	134	27	252	79	80	226	1028	2	8	10	8	2	48	5	1909								
93P	Int. 80 H.S. (01M) Final	On I-80 2 1/2 miles east of US 59 Interchange Est. (1966) (Pit Scale)	P 24+24=48 Fairbanks Morse PR and E 1 VCC 2 INT, RCD 4 FGM 4 TM 1 SUP 1 OTH	EBW, J, 2x12=24 P 4.4 D10 SH-I10 M-G 38	F, EB, 75, N 65, OPN	1967ADT 9181 1967ADT R-1581 F-1044 1966ADT 6060 1966ADT R-1047 F-700	1967	Wed 8-23 6AM-2PM	30	5	52	10	24	51	242		1	8	1	10	2	436		
							1966	Wed 7-27 6AM-2PM(2)	13	8	40	2	24	52	167	1		1	1		6	2	317	
							1967	Wed 8-16 2PM-10PM	41	3	58	7	19	61	281		1	5	4		16	3	498	
							1966	Tue 7-26 2PM-10PM	8	7	19	13	24	42	163			4	1		9	2	293	
							1967	Tue 8-29 10PM-6AM	3	2	23	6	7	44	246	1	2	2	1		9	4	345	
							1966	Thur 7-28 10PM-6AM	5		10	3	7	35	166			1			12	1	244	
							1967	Total 24 Hours	74	8	133	23	50	156	769	1	1	15	5		35	9	1279	
1966	Total 24 Hours	26	17	69	18	55	129	496	1	3	6	2		27	5	854								
94Q	Int. 35 H.S. (01M) Final	On I-35 3 miles North of Iowa 210 Interchange Est. (1967)	P 24+24=48 Fairbanks Morse PR and E 1 VCC 2 INT, RCD 4 FGM 4 TM 1 SUP 1 OTH	NB, J, 2x12=24 DO8, SH-I10	FNB 75, N 65 OPN	1967ADT 6072 1967ADT R-574 F-390	1967	Mon 8-21 6AM-2PM	70	8	89	9	15	27	101	1	1	7		3		331		
							1967	Mon 8-14 2PM-10PM	53	8	46	14	16	42	132	1		3	1		1		317	
							1967	Sun 8-27 10PM-6AM	14	3	14	5	3	23	81			1			5		149	
							1967	Total 24 Hours	137	19	149	28	34	92	314	2	1	11	1		9		797	
							1966	Total 24 Hours																

(1) Two and one half (2 1/2) hours not weighed due to inclement weather (1967)
 (2) One (1) hour not weighed due to inclement weather (1966)
 (3) Pit scales not in operation - Study conducted with portable scales (1966)

STATE OF IOWA

TABLE W-1 (CONTINUED) - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES COUNTED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	YEAR	TIME DAY, DATE, HOURS	VEHICLES COUNTED																										TOTAL VEHICLES COUNTED					
			PASSENGER CARS					MOTORCYCLES		BUSES			SINGLE-UNIT TRUCKS					TRACTOR-SEMITRAILER COMBINATIONS				TRUCK AND TRAILER COMBINATIONS				TWO-TRAILER COMBINATIONS								
			IOWA		OUT-OF-STATE			SUBTOTAL	CYCLES	SCOOTERS	SUBTOTAL	COMMERCIAL	SCHOOL	SUBTOTAL	PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3-AXLE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE		SUBTOTAL	5-AXLE OR LESS	6-AXLE	7-AXLE OR MORE	SUBTOTAL
			STAND. & COMP.	SMALL	STAND. & COMP.	SMALL	SMALL																											
92N	1967	Tue 8-22 6AM-2PM	4049	108	450	22	4629	4		4	10	11	21	196	19	140	25	380	43	96	378	2	519	5	8	4		17	19	1		20	5590	
	1966	Fri 8-26 6AM-2PM	3362	413	1735	279	5789	6		6	21	21	21	380	9	170	54	613	32	82	361		475	2	3	7		12	15	2		17	6933	
	1967	Tue 8-15 2PM-10PM	4026	244	1195	74	5539	9		9	12	3	15	88	17	84	25	214	35	104	440	3	582	3	10	2		15	21	2		23	6397	
	1966	Fri 8-19 2PM-10PM	3120	705	3251	290	7366	16		16	31	7	38	471	16	107	36	630	43	84	354	1	482	1	4	4	1	10	10	1		11	8553	
	1967	Mon 8-28 10PM-6AM	694	8	61		763	1		1				16	3	19	13	51	16	71	419		506	1	3	1		5	31	3		34	1360	
	1966	Thur 8-11 10PM-6AM	1196	51			1247	2		2	17		17	33	3	47	11	94	15	67	396	1	479	5	3	1	1	10	24	2		26	1875	
	1967	Total 24 Hours	8769	360	1706	96	10931	14		14	22	14	36	300	39	243	63	645	94	271	1237	5	1607	9	21	7		37	71	6		77	13347	
1966	Total 24 Hours	7678	1169	4986	569	14402	24		24	69	7	76	884	28	324	101	1337	90	233	1111	2	1436	8	10	12	2	32	49	5		54	17361		
93P	1967	Wed 8-23 6AM-2PM	1867	63	245	15	2190	2		2	5	4	9	108	5	54	10	177	24	51	251		326	1	8	4		13	10	2		12	2729	
	1966	Wed 7-27 6AM-2PM	455	69	1046	213	1783			8		8	8	134	8	52	4	198	25	54	176	1	256		1	1		2	6	4		10	2257	
	1967	Wed 8-16 2PM-10PM	1820	143	1540	81	3584	1		1	28	5	33	41	3	58	8	110	21	61	281		363		5	4		9	16	3		19	4119	
	1966	Tue 7-26 2PM-10PM	587	90	912	232	1821	3		3	8	1	9	119	7	43	16	185	30	52	195	1	278	1	4	3		8	12	2		14	2318	
	1967	Tue 8-29 10PM-6AM	411	3	34		448	2		2	4		4	12	2	23	6	43	7	54	246	1	308		3	1		4	9	4		13	822	
	1966	Thur 7-28 10PM-6AM	173	20	351	22	566			6	2		8	34	2	11	3	50	8	37	186		231	2	3		5	12	2		14	874		
	1967	Total 24 Hours	4098	209	1819	96	6222	5		5	37	9	46	161	10	135	24	330	52	166	778	1	997	1	16	9		26	35	9		44	7670	
1966	Total 24 Hours	1215	179	2309	467	4170	3		3	22	3	25	287	17	106	23	433	63	143	557	2	765	3	8	4		15	30	8		38	5449		
94Q	1967	Mon 8-21 6AM-2PM	2090	59	199	5	2353	6		6	3	2	5	135	11	94	13	253	16	29	107	2	154	1	8		9	3			3	2783		
	1967	Mon 8-14 2PM-10PM	1932	58	263	4	2257	3		3	1	3	4	89	9	54	15	167	18	42	136	1	197	2	3	2		7	1			1	2636	
	1967	Sun 8-27 10PM-6AM	684	10	44		738	2		2	2		2	14	3	14	5	36	3	23	81		107		1			1	5			5	891	
	1967	Total 24 Hours	4706	127	506	9	5348	11		11	6	5	11	238	23	162	33	456	37	94	324	3	458	3	12	2		17	9			9	6310	

STATE OF IOWA

TABLE W-1 - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	ROUTE NUMBER AND HIGHWAY SYSTEM	DESCRIPTION OF STATION LOCATION	SCALE TYPE AND PERSONNEL	ROADWAY AND PAVEMENT CHARACTERISTICS	ENVIRONMENT	RELATIONSHIP TO OTHER PLANNING RESEARCH AND EXPERIMENTAL SECTIONS	TRAFFIC ON THE ROAD SECTION	YEAR	TIME DAY, DATE, HOURS	VEHICLES WEIGHED																TOTAL VEHICLES WEIGHED	
										SINGLE-UNIT TRUCKS						TRACTOR-SEMITRAILER COMBINATION				TRUCK AND TRAILER COMBINATION			TWO-TRAILER COMBINATION				
										PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3 AXLE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	5 AXLE OR LESS	6 AXLE	7 AXLE OR MORE			
95R	Int. 29 H.S. (01M) Final	On I-29 2 Miles South of Salix Inter-change Est. (1967)	P 24+24=48 Fairbanks Morse PR and E 1 VCC 2 INT, RCD 4 FGM 4 TM 1 SUP 1 OTH	NB, J, 2x12=24 D08, SH-I-10	FNB 75, N 65 OPN		1967ADT 4879 1967ADL R-469 F-313	1967	Fri 8-25 6AM-2PM	46	4	37	14	11	17	108		2	2			6		247			
								1967	Fri 8-18 2PM-10PM	48	10	38	17	13	36	106	1		2	2			3	2		278	
								1967	Thur 8-31 10PM-6AM	8	2	10	2	6	17	111		1						7			164
								1967	Total 24 Hours	102	16	85	33	30	70	325	1	3	4	2			16	2			689
91S (3)	Int. 80 and Iowa 38 H.S. (01M) Final	On I-80 and Ia. 38-1.4 mi east of Iowa 38 West Inter-change Est. (1966) Pit Scale Location	P 24+24=48 Fairbanks Morse PR and E 1 VCC 2 INT, RCD 4 FGM 4 LD, TM 1 SUP 1 OTH	EBW, J, 2x12=24 P 4.4 D10, SH-I-10	F, EB, 75, N 65, OPN	4 miles east of Rural O & D Study Station (1963)	1967ADT 11990 1967ADL R-3371 F-2189 1966ADT 10910 1966ADL R-2143 F-1402	1967	Tue 8-1 6AM-2PM	51	10	89	29	22	87	419	2	6	7	4		17	3	746			
								1966	Tue 8-2 6AM-2PM	22	3	56	31	29	97	377	1	5	9	3			9			642	
								1967	Tue 7-25 2PM-10PM	31	18	51	19	19	99	480	2	3	8	1			10	1		741	
								1966	Mon 8-1 2PM-10PM	12	2	43	14	22	73	271	2	3	6	4			3			456	
								1967	Tue 8-8 10PM-6AM	5	8	18	7	15	82	496		1	9	1			22	3		667	
1966	Sun 7-31 10PM-6AM (1)	5	2	16	9	12	49	183			2	1	1		12			292									
1967	Total 24 Hours	87	36	158	55	56	268	1395	4	10	24	6			49	6		2154									
1966	Total 24 Hours (2)	39	7	115	54	63	219	831	3	8	17	8	1		24	1		1390									
96T	Int. 29 H.S. (01M) Final	On I-29 & US 75 3 miles South of Missouri Valley Available for Operation (1971)	P 24+24=48 Fairbanks Morse PR and E 1 VCC 2 INT, RCD 4 FGM 4 TM 1 SUP 1 OTH	NB, J, 2x12=24 D 08, SH-I-10	FNB 75, N 65 OPN		1967ADT 6269 1967ADL R-902 F-599	1967	Thur 8-24 6AM-2PM	28	6	95	33	25	46	193		1	2	2	1	2		434			
								1967	Thur 8-17 2PM-10PM (3)	24	2	58	20	27	50	163	1	3	1	1	1	5	1		357		
								1967	Wed 8-30 10PM-6AM			20	4	4	18	119					1	5	2		173		
								1967	Total 24 Hours	52	8	173	57	56	114	475	1	4	3	3	3	12	3		964		

(1) Three (3) hours not weighed due to inclement weather (1966)
 (2) Pit scales not in operation. Study conducted with portable scales (1966)
 (3) One and one half (1½) hours not weighed due to inclement weather (1967)

STATE OF IOWA

TABLE W-1 (CONTINUED) - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES COUNTED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	YEAR	TIME DAY, DATE, HOURS	VEHICLES COUNTED																															
			PASSENGER CARS					MOTORCYCLES			BUSES			SINGLE-UNIT TRUCKS					TRACTOR-SEMITRAILER COMBINATIONS					TRUCK AND TRAILER COMBINATIONS					TWO-TRAILER COMBINATIONS				TOTAL VEHICLES COUNTED	
			IOWA		OUT-OF-STATE			SUBTOTAL	CYCLES	SCOOTERS	SUBTOTAL	COMMERCIAL	SCHOOL	SUBTOTAL	PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3-AXLE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE	SUBTOTAL	5-AXLE OR LESS	6-AXLE	7-AXLE OR MORE		SUBTOTAL
			STAND. & COMP.	SMALL	STAND. & COMP.	SMALL	SMALL																											
95R	1967	Fri 8-25 6AM-2PM	1498	50	215	8	1771																											
	1967	Fri 8-18 2PM-10PM	1867	80	1216	29	3192	4	4	11	11	181	15	41	21	258	13	37	106	1	157		2	2		4	3	4		7	3633			
	1967	Thur 8-31 10PM-6AM	517	2	47		566			4	4	10	2	14	2	28	6	18	131		155	1		1		2	7			7	762			
	1967	Total 24 Hours	3882	132	1478	37	5529	4	4	21	21	296	27	93	39	455	31	77	355	1	464		3	4	3	10	16	4		20	6503			
91S	1967	Tue 8-1 6AM-2PM	2632	68	462	18	3180	4	4	13	17	30	150	12	93	35	290	25	97	494	1	617	6	9	6	21	17	3		20	4162			
	1966	Tue 8-2 6AM-2PM	1148	222	1836	378	3584	4	4	13	3	16	239	3	124	39	405	47	113	498	2	660	5	9	9	1	24	12	1	13	4706			
	1967	Tue 7-25 2PM-10PM	2491	97	529	24	3141	7	7	16	1	17	140	25	66	23	254	33	117	626	3	779	4	8	4	16	19	2		21	4235			
	1966	Mon 8-1 2PM-10PM	1060	193	1686	336	3275	4	4	15	1	16	213	9	81	27	330	36	110	408	2	556	4	6	17	1	28	5	1	6	4215			
	1967	Tue 8-8 10PM-6AM	453	44	84		581			11	4	15	14	8	20	7	49	17	86	570		673	1	10	1	12	26	3		29	1359			
	1966	Sun 7-31 10PM-6AM	346	55	401	59	861			11		11	36	3	22	9	70	19	54	341		414		2	1	2	5	13		13	1374			
1967	Total 24 Hours	5576	209	1075	42	6902	11	11	40	22	62	304	45	179	65	593	75	300	1690	4	2069	11	27	11	49	62	8		70	9756				
1966	Total 24 Hours	2554	470	3923	773	7720	8	8	39	4	43	488	15	227	75	805	102	277	1247	4	1630	9	17	27	4	57	30	2	32	10295				
96T	1967	Thur 8-24 6AM-2PM	1883	68	325	10	2286	6	6	9		9	173	16	101	38	328	26	47	222		295	2	2	3	1	8	2		2	2934			
	1967	Thur 8-17 2PM-10PM	1713	81	1055	33	2882	5	5	12	1	13	208	20	89	27	344	29	57	213	1	300	3	1	2	1	7	6	1	7	3558			
	1967	Wed 8-30 10PM-6AM	429	2	52		483	1	1	5		5	8	1	36	6	51	4	15	162		181			1	2	3	5	2	7	731			
	1967	Total 24 Hours	4025	151	1432	43	5651	12	12	26	1	27	389	37	226	71	723	59	119	597	1	776	5	3	6	4	18	13	3	16	7223			

STATE OF IOWA

TABLE W-1 - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	ROUTE NUMBER AND HIGHWAY SYSTEM	DESCRIPTION OF STATION LOCATION	SCALE TYPE AND PERSONNEL	ROADWAY AND PAVEMENT CHARACTERISTICS	ENVIRONMENT	RELATIONSHIP TO OTHER PLANNING RESEARCH AND EXPERIMENTAL SECTIONS	TRAFFIC ON THE ROAD SECTION	YEAR	TIME DAY, DATE, HOURS	VEHICLES WEIGHED															TOTAL VEHICLES WEIGHED						
										SINGLE-UNIT TRUCKS					TRACTOR-SEMITRAILER COMBINATION			TRUCK AND TRAILER COMBINATION			TWO-TRAILER COMBINATION										
										PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3 AXLE	3 AXLE	4 AXLE	5 AXLE OR MORE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	5 AXLE OR LESS	6 AXLE	7 AXLE OR MORE								
9A	U.S. 20 H.S. (03M)	Jct. US 20 and US 169 1/4 mi SW of Fort Dodge City Limits NE Leg (Est.1936)	L 2+2=4 General Dynamic (GD-MD 400) PR PM 1 VCC 2 INT, RCD 4 FGM 4 LD, TM 1 SUP 1 OTH	SWBW, J, 1x12=12 P 4.0 D10 SH-G09	F, SWB, 45N45 300 NP Apt.	Same Location as O & D	1967ADT 6192	1967	Fri 7-21 6AM-2PM	218	43	133	27	7	37	70		1	2			2			540						
								1966	Mon 7-18 6AM-2PM	251	15	142	28	5	32	74		2	2			5					556				
								1967	Fri 7-14 2PM-10PM	203	38	97	12	7	26	70		1	4	2		3						463			
								1966	Fri 7-15 2PM-10PM	205	25	82	19	10	30	53		6				2						432			
								1967																							
								1966																							
								1966ADT																							
				NEBW, J, 1x12=12 P 4.0 D10 SH-G09	F, NEB, 45N45 5505 OPN	Interview Station (1963)	1967ADT 6478	1967	Total 16 Hours	421	81	230	39	14	63	140		2	6	2		5		1003							
							1966ADT R-320	1966	Total 16 Hours	456	40	224	47	15	62	127		8	2		7		988								
							F-222	1967	Thur 8-3 6AM-2PM (1)	221	39	108	75	12	26	76						1		560							
							1967ADT 6390	1966	Thur 8-4 6AM-2PM	214	7	131	85	9	31	86		8				1		572							
24B	U.S. 218 H.S. (03M)	Jct. US 218 and Co. Trk. Rd. 2 1/2 Miles Southeast of Waterloo (N. Leg) (Est. 1936)	L 2+2=4 General Dynamic (GD-MD 400) PR PM 1 VCC 2 INT, RCD 4 FGM 4 LD, TM 1 SUP 1 OTH	SBW, J, 1x12=12 P 3.8 D 10, SH-G08	N, SB 70/50 N60/50 OPN	1 Mile South of O & D	1967ADT 6390	1967	Thur 7-27 2PM-10PM (2)	215	30	56	34	3	20	74						2			434						
								1966	Wed 8-3 2PM-10PM	165	5	68	63	4	33	69		1	2	1	3		1			415					
								1967																							
								1966																							
								1966ADT																							
								1967	Total 16 Hours	436	69	164	109	15	46	150													3		994
								1966	Total 16 Hours	379	12	199	148	13	64	155		1	10	1	3		2					2		987	
							1967ADT 4653	1967	Wed 8-2 6AM-2PM	46	17	89	18	10	60	168		1	1	2	4		2	1	419						
							1967ADT R-928	1966	Wed 8-24 6AM-2PM	38	3	91	18	14	61	155					3	1	1	3	388						
							1967ADT R-928	1966	Wed 7-26 2PM-10PM (3)	77	17	49	21	7	57	118		1	1	3	2		2		355						
							1966ADT F-615	1966	Wed 8-17 2PM-10PM (4)	27	4	58	24	9	35	148					2	4	2	2	315						
							1966ADT F-615	1967	Wed 7-26 2PM-10PM (3)																						
							1966ADT F-615	1966	Wed 8-17 2PM-10PM (4)																						
							1966ADT F-615	1967	Wed 8-17 2PM-10PM (4)																						
55E	U.S. 30 U.S. 218 H.S. (03M)	Jct. US 30 and US 218 And Ia 279 (W. Leg) Pit Scale Est. 1936	P 34+34=68 Fairbank Morse PR and E 150 Days 1 VCC 2 INT, RCD 4 FGM 4 LD, TM 1 SUP 1 OTH	EBW, 13, 1x12=12 P 4.4, D13, SH-S10	NEB 70/50 N60/50 OPN	8 Miles East of Screenline Interview Station (1959)	1967ADT 4736	1967	Tue 8-9 10PM-6AM	12	2	21	4	4	44	170							8		268						
								1966	Sun 8-15 10PM-6AM	6	2	17	3	11	48	194		2		1		4				286					
								1967																							
								1966																							
								1966ADT																							
								1967	Total 24 Hours	135	36	159	43	21	161	456		2	4	5	7		12					9	1	1042	
								1966	Total 24 Hours	71	9	166	45	34	144	497		1	5	5	1		9					2		989	

(1) One and One-fourth (1 1/4) hour not weighed due to inclement weather. (1967)
 (2) One (1) hour not weighed due to inclement weather. (1967)
 (3) One (1) hour not weighed due to inclement weather. (1967)
 (4) One (1) hour not weighed due to inclement weather. (1966)

STATE OF IOWA

TABLE W-1 (CONTINUED) - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES COUNTED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	YEAR	TIME DAY, DATE, HOURS	VEHICLES COUNTED																															
			PASSENGER CARS					MOTORCYCLES			BUSES			SINGLE-UNIT TRUCKS					TRACTOR-SEMITRAILER COMBINATIONS					TRUCK AND TRAILER COMBINATIONS					TWO-TRAILER COMBINATIONS				TOTAL VEHICLES COUNTED	
			IOWA		OUT-OF-STATE			CYCLES	SCOOTERS	SUBTOTAL	COMMERCIAL	SCHOOL	SUBTOTAL	PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3-AXLE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE	SUBTOTAL	5-AXLE OR LESS	6-AXLE	7-AXLE OR MORE	SUBTOTAL		
			STAND. & COMP.	SMALL	STAND. & COMP.	SMALL	SMALL																											
9A	1967	Fri 7-21 6AM-2PM	1920	42	184	4	2150	14	3	17						218	43	133	27	421	7	37	70		114	3	4			7	2			2	2711
	1966	Mon 7-18 6AM-2PM	2057	258	234	32	2581	16		16	2	2	4	251	16	142	29	438	5	35	74		114	2	2			4	6		6	3163		
	1967	Fri 7-14 2PM-10PM	3370	68	297	3	3738	10	7	17	3		3	230	45	100	15	390	9	26	73		108	1	6	4		11	3		3	4270		
	1966	Fri 7-15 2PM-10PM	3124	317	240	13	3694	27		27	1		1	224	25	82	19	350	11	30	53		94	6			6	2		2	4174			
	1967	Fri 7-7 10PM-6AM	718	29	28	5	780	2		2	3	1	4	9		15	1	25	3		64		68			10						889		
	1966	Thur 9-1 10PM-6AM	623	12	21		656	1		1				55	6	20	6	87	14	19	56		89									833		
	1967	Total 24 Hours	6008	139	509	12	6668	26	10	36	6	1	7	457	88	248	43	836	19	64	207		290	4	10	14		28	5		5	7870		
1966	Total 24 Hours	5804	587	495	45	6931	44		44	3	2	5	530	47	244	54	875	30	84	183		297	8	2		10	8		8	8170				
24B	1967	Thur 8-3 6AM-2PM	1926	64	204	1	2195	10		10	6	1	7	279	62	113	89	543	12	28	87		127				8				1	2891		
	1966	Thur 8-4 6AM-2PM	1581	239	236	38	2094	7	1	8	4	3	7	262	7	148	91	508	9	32	89		130	8			8	1		2	2	2757		
	1967	Thur 7-27 2PM-10PM	2088	66	188	6	2348	20		20	4	2	6	266	33	66	50	415	9	23	74		106					2			2	2897		
	1966	Wed 8-3 2PM-10PM	2133	315	220	26	2694	10	1	11	4	1	5	244	5	76	68	393	7	36	70	1	114	2	1	3		6	1		1	3224		
	1967	Fri 7-7 10PM-6AM	986	14	11	1	1012	3		3	1		1	57	3	10	2	72	7	13	88		108									1196		
	1966	Wed 8-10 10PM-6AM	526	7	22	3	558	3		3				33	4	16	1	54	1	28	97		126			2		2				743		
	1967	Total 24 Hours	5000	144	403	8	5555	33		33	11	3	14	602	98	189	141	1030	28	64	249		341				8	3		3	6984			
1966	Total 24 Hours	4240	561	478	67	5346	20	2	22	8	4	12	539	16	240	160	955	17	96	256	1	370	10	1	5		16	3		3	6724			
55E	1967	Wed 8-2 6AM-2PM	1280	29	184	7	1500	5		5	6	2	8	97	17	101	21	236	13	68	206	1	288	1	3	4		8	2	1	3	2048		
	1966	Wed 8-24 6AM-2PM	1048	139	374	54	1615	2		2	9	1	10	131	4	93	22	250	15	61	166		242				1	6	3		3	2128		
	1967	Wed 7-26 2PM-10PM	1436	44	190	4	1674	4	1	5	7	4	11	150	18	63	25	256	11	66	155	3	235	2	3	5		10	2		2	2193		
	1966	Wed 8-17 2PM-10PM	1417	225	298	54	1994	3		3	8	2	10	111	4	76	24	215	11	47	200		258				6	2	2		4	2490		
	1967	Tue 8-9 10PM-6AM	448	11	40		499	1		1	2		2	29	5	24	4	62	4	46	173		223	2		2		4	8	1	9	800		
	1966	Sun 8-15 10PM-6AM	310	31	36	9	386				1	1	2	26	2	17	4	49	11	52	198		261	8			8	6		6	712			
	1967	Total 24 Hours	3164	84	414	11	3673	10	1	11	15	6	21	276	40	188	50	554	28	180	534	4	746	5	6	11		22	12	2	14	5041		
1966	Total 24 Hours	2775	395	708	117	3995	5		5	18	4	22	268	10	186	50	514	37	160	564		761	8	5	6	1	20	11	2	13	5330			

STATE OF IOWA

TABLE W-1 - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	ROUTE NUMBER AND HIGHWAY SYSTEM	DESCRIPTION OF STATION LOCATION	SCALE TYPE AND PERSONNEL	ROADWAY AND PAVEMENT CHARACTERISTICS	ENVIRONMENT	RELATIONSHIP TO OTHER PLANNING RESEARCH AND EXPERIMENTAL SECTIONS	TRAFFIC ON THE ROAD SECTION	YEAR	TIME DAY, DATE, HOURS	VEHICLES WEIGHED														TOTAL VEHICLES WEIGHED							
										SINGLE-UNIT TRUCKS				TRACTOR-SEMITRAILER COMBINATION				TRUCK AND TRAILER COMBINATION				TWO-TRAILER COMBINATION									
										PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3 AXLE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	5 AXLE OR LESS	6 AXLE OR MORE								
59F (1)	Iowa 60 H.S. (03M)	Jct. Ia. 60, Ia. 92, and Ia. 181 2 miles south of Pleasantville (N. Leg) Est. (1936)	L 2+2 = 4 Loadometer PR SR (GDM-400) 1 VCC 2 INT, RCD 6 FGM 4 LD, TM 1 SUP 1 OTH	NBW, 13, 1 x 12 = 12 P 2.8 D 13, SH-S07	NNB 70/50N60/50 OPN		1967ADT 2480 1967ADL R-163 F-111	1967	Mon 7-17 6AM-2PM	170	24	84	23	6	7	30	2	1	1						348						
									Mon 7-10 2PM-10PM	101	24	39	14	4	3	31	2		1									219			
									10PM-6AM																						
									Total 16 Hours	271	48	123	37	10	10	61	4	1	2												567
74H	On US 30 US 169 H.S. (03M)	On US 30 & US 169 1 1/2 Miles West of East Jct. US 30 & US 169 (Pit Scale) (Est. 1936)	P 34+34=68 Toledo PR and E 200 Days 1 VCC 2 INT, RCD 4 FGM 4 LD, TM 1 SUP 1 OTH	EBW, J, 1x12=12 P 4.2, D10, SH-S10	NEB 70/50 N60/50 OPN	14 Miles East of Impact Study at Jefferson 5 Miles West of Screenline Interview Station (1959)	1967ADT 3458 1967ADL R-435 F-293 1966ADT 3643 1966ADL R-440 F-292	1967 1966	Thur 7-6 6AM-2PM	37	39	61	24	6	23	97	2	1	10					1		301					
									Fri 7-22 6AM-2PM	57	12	47	18	5	29	97	2	5	4	1	1	3						281			
									Wed 7-5 2PM-10PM	28	15	35	9	13	24	89	1	6	9	1										230	
									Mon 7-25 2PM-10PM	53	1	34	16	7	35	105	2	6	7	2	2									270	
									10PM-6AM																						
								Total 16 Hours	65	54	96	33	19	47	186	3	7	19	1	1	3	1	5	531							
								Total 16 Hours	110	13	81	34	12	64	202	4	11	11	3	1	5			551							
85J	U.S. 34 and US 169 U.S. 169 H.S. (03M)	On US 34 and US 169 1 1/2 miles East of Afion Est. (1936)	L 2+2=4 General Dynamic (GD-MD 400) PR and E 1 VCC 2 INT, RCD 4 FGM 4 TM 1 SUP 1 OTH	EBW, 13, 1x12=12 P 1.8 D13 SH-G09	NEB, 60/50N50/50 OPN	18 miles west of ATR Station 622 10 miles west of screen line Interview Station (1959)	1967ADT 1767 1967ADL R-179 F-123 1966ADT 1825 1966ADL R-260 F-135	1967 1966	Wed 7-19 6AM-2PM	77	24	61	3	3	24	34		1	2	4				2		233					
									Wed 7-20 6AM-2PM	58	13	49	14	8	21	49		1	1	1									217		
									Wed 7-12 2PM-10PM	69	9	38	5	3	12	39		1	2	1										179	
									Wed 7-13 2PM-10PM	77	3	40	5	3	13	41	2	1	1	1										187	
									10PM-6AM																						
								Total 16 Hours	146	33	99	8	6	36	73	2	2	4	5		2		412								
								Total 16 Hours	135	16	89	19	11	34	90	2	2	2	2					404							

(1) Reactivated after route was closed to traffic in 1965 and 1966 due to construction

STATE OF IOWA

TABLE W-1 (CONTINUED) - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES COUNTED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	YEAR	TIME DAY, DATE, HOURS	VEHICLES COUNTED																															
			PASSENGER CARS					MOTORCYCLES			BUSES		SINGLE-UNIT TRUCKS					TRACTOR-SEMITRAILER COMBINATIONS				TRUCK AND TRAILER COMBINATIONS				TWO-TRAILER COMBINATIONS			TOTAL VEHICLES COUNTED					
			IOWA		OUT-OF-STATE			SUBTOTAL	CYCLES	SCOOTERS	SUBTOTAL	COMMERCIAL	SCHOOL	SUBTOTAL	PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3-AXLE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE		SUBTOTAL	5-AXLE OR LESS	6-AXLE	7-AXLE OR MORE	SUBTOTAL
			STAND. & COMP.	SMALL	STAND. & COMP.	SMALL																												
59F	1967	Mon 7-17 6AM-2PM	821	14	72		907																											
	1967	Mon 7-10 2PM-10PM	898	20	63		981	5		5	3	1	4	104	24	39	14	181	4	3	33	2	42		1									1214
	1967	Fri 7-7 10PM-6AM	247	5	29		281				5		5	25	2	1		28	2	8	17		27											341
	1967	Total 24 Hours	1966	39	164		2169	7	2	9	11	1	12	303	50	124	37	514	13	18	80	4	115	1	2			3					2822	
74H	1967	Thur 7-6 6AM-2PM	1025	14	298	11	1348	1	1	2	1	2	98	40	66	24	228	9	24	100	2	135	1	11			12	1				1	1728	
	1966	Fri 7-22 6AM-2PM	1091	95	377	29	1592	2	1	2	5	5	97	14	53	18	182	13	33	100	4	150	5	4	2	1	12	3				3	1946	
	1967	Wed 7-5 2PM-10PM	902	11	198	4	1115	3		3	4	4	8	101	19	37	9	166	14	24	93	1	132	6	10	2		18				3	1442	
	1966	Mon 7-25 2PM-10PM	948	165	339	66	1518	2		2	2	2	54	2	35	17	108	10	36	107	3	156	6	7	2		15	3				3	1804	
	1967	Fri 7-7 10PM-6AM	405	7	69	1	482				2	2	33	3	6	1	43	6	7	57	1	71						12				12	610	
	1966	Sun 8-7 10PM-6AM	555	34	80	4	673	1		1	3	3	39	2	15	10	66	9	20	69		98			3		3						12	844
	1967	Total 24 Hours	2332	32	565	16	2945	4	1	5	7	5	12	232	62	109	34	437	29	55	250	4	338	7	21	2		30	13			13	3780	
1966	Total 24 Hours	2594	294	796	99	3783	5		5	10		10	190	18	103	45	356	32	89	276	7	404	11	11	7	1	30	6			6	4594		
85J	1967	Wed 7-19 6AM-2PM	450	4	155	4	613		1	1	2	2	77	24	61	3	165	3	27	34		64	1	2	4		7					2	852	
	1966	Wed 7-20 6AM-2PM	437	59	192	12	700	2		2	2	2	64	13	50	14	141	10	22	52		84	1	1	1		3	2				2	934	
	1967	Wed 7-12 2PM-10PM	533	4	122	1	660	1		1	1	2	80	9	50	5	144	3	12	39		54	3	2	1		6					1	867	
	1966	Wed 7-13 2PM-10PM	519	32	89	4	644	1		1	2	3	77	3	40	5	125	3	13	41	2	59	1	1	1		3	1				1	838	
	1967	Fri 7-7 10PM-6AM	157	2			159					1	7	1	7		15	1	1	19		21											196	
	1966	Tue 8-30 10PM-6AM	126	1		1	128					1	1	15		14	1	30	7	12	53		72										230	
	1967	Total 24 Hours	1140	10	277	5	1432	1	1	2	3	2	5	164	34	118	8	324	7	40	92		139	4	4	5		13					1915	
1966	Total 24 Hours	1082	92	281	17	1472	3		3	4	3	7	156	16	104	20	296	20	47	146	2	215	2	2	2		6	3			3	2002		

STATE OF IOWA

TABLE W-1 - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	ROUTE NUMBER AND HIGHWAY SYSTEM	DESCRIPTION OF STATION LOCATION	SCALE TYPE AND PERSONNEL	ROADWAY AND PAVEMENT CHARACTERISTICS	ENVIRONMENT	RELATIONSHIP TO OTHER PLANNING RESEARCH AND EXPERIMENTAL SECTIONS	TRAFFIC ON THE ROAD SECTION	YEAR	TIME DAY, DATE, HOURS	VEHICLES WEIGHED														TOTAL VEHICLES WEIGHED						
										SINGLE-UNIT TRUCKS				TRACTOR-SEMITRAILER COMBINATION				TRUCK AND TRAILER COMBINATION				TWO-TRAILER COMBINATION								
										PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3 AXLE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	5 AXLE OR LESS	6 AXLE		7 AXLE OR MORE					
76M	U.S. 71 and Iowa 141 H.S. (03M)	At east Jct. of US 71 and Iowa 141 11 miles South of Carroll W. Leg Est. (1966)	L 2+2=4 General Dynamic (GD-MD 400) PR PM 1 VCC 2 INT, RCD 4 FGM 4 TM 1 SUP 1 OTH	EBW, 13, 1x12=12 P 3.0 D10 SH-G04	FEB, 70/50/N60/50 OPN	9 miles South of Screen line Interview Station (1959)	1967ADT 1589	1967	Thur 7-20 6AM-2PM	44	15	57	4	4	10	25		2	2					163						
								1966	Thur 7-21 6AM-2PM	83	7	60	16	4	14	32	5											221		
								1967	Thur 7-13 2PM-10PM	55	6	46	10	10	8	29		2	3	3									172	
								1966	Thur 7-14 2PM-10PM	26	8	23	3	6	10	21	1												98	
								1966ADT 1674	10PM-6AM																					
								1966ADL 1674	10PM-6AM																					
						1966ADL R-198	1967	Total 16 Hours	99	21	103	14	14	18	54		4	5	3				335							
						F-135	1966	Total 16 Hours	109	15	83	19	10	24	53	6							319							
32C	Jct U.S. 65 and F.A.S. 1425 in Mason City (S Leg) (Est. 1957)	U.S. 65 (3) H.S. (04U)	L 2+2=4 General Dynamic (GD-MD 400) Pr PM 1 VCC 2 INT, RCD 4 FGM 4 LD, TM 1 SUP 1 OTH	SBW J 1x20=20 P 3.2 D 10, SH-C	FSB, 45N45 LID	1 mile South of O & D Interview Station (1962)	1967ADT 6134	1967	Fri 8-4 6AM-2PM	255	61	166	30	21	25	81		5	2					646						
								1966	Thur 8-25 6AM-2PM	193	20	151	35	8	36	105		3	4	1							556			
								1967ADL R-457	1967	Fri 7-28 2PM-10PM (2)	194	31	75	25	9	23	39		3	2								401		
								1966	Thur 8-18 2PM-10PM	197	14	85	15	7	27	98	1	6	2										452	
								1966ADT 6908	1967	Thur 8-10 10PM-6AM	24	9	15	2	2	11	52													115
								1966ADL R-617	1966	Wed 8-10 10PM-6AM	25	3	20	8	1	24	86		2											169
						1966ADL R-617	1967	Total 24 Hours	473	101	256	57	32	59	172		8	4					1162							
						F-404	1966	Total 24 Hours	415	37	256	58	16	87	289	1	11	6	1				1177							
35D	Jct U.S. 61 (BradySt) and 32nd St. in Davenport (N Leg) (Est. 1957)	U.S. 61 H.S. (04U)	L 2+2=4 General Dynamic (GD-MD 400) PR PM 1 VCC 2 INT, RCD 4 FGM 4 LD, TM 1 SUP 1 OTH	SEW J 2x12=24 P 3.6 D10 SH-C	FSB 35N35 75SGRSC	1 Mile South of O & D Interview Station (1961)	1967ADT 14070	1967	Mon 7-31 6AM-2PM	386	78	274	43	15	32	61		3	1					894						
								1966	Tue 8-23 6AM-2PM	391	40	208	84	10	23	52	1	6	3	2	1	1					822			
								1967ADL R-434	1967	Mon 7-24 2PM-10PM	301	46	149	40	13	43	33												632	
								1966	Tue 8-16 2PM-10PM	361	25	114	28	18	27	50		6	4	1									633	
								1966ADT 17641	1967	Mon 8-7 10PM-6AM	35	4	10	2	2	16	20													90
								1966ADL R-424	1966	Mon 8-8 10PM-6AM	18	2	15	4	2	15	21													77
						1966ADL R-299	1967	Total 24 Hours	722	128	433	85	30	91	114		3	7	1	1	1		1616							
						F-299	1966	Total 24 Hours	770	67	337	116	30	65	123	1	12	7	2	1	1		1532							

(1) Three (3) hours not weighed due to inclement weather (1966)
 (2) One and one-half (1½) hours not weighed due to equipment failure (1967)
 (3) U.S. 218 detoured over this route in 1966

STATE OF IOWA

TABLE W-1 (CONTINUED) - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES COUNTED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	YEAR	TIME DAY, DATE, HOURS	VEHICLES COUNTED																									TOTAL VEHICLES COUNTED						
			PASSENGER CARS					MOTORCYCLES		BUSES		SINGLE-UNIT TRUCKS					TRACTOR-SEMITRAILER COMBINATIONS				TRUCK AND TRAILER COMBINATIONS				TWO-TRAILER COMBINATIONS									
			IOWA		OUT-OF-STATE			CYCLES	SCOOTERS	SUBTOTAL	COMMERCIAL	SCHOOL	SUBTOTAL	PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3-AXLE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE		SUBTOTAL	5-AXLE OR LESS	6-AXLE	7-AXLE OR MORE	SUBTOTAL	
			STAND. & COMP.	SMALL	STAND. & COMP.	SMALL	SMALL																											
76M	1967	Thur 7-20 6AM-2PM	423	12	118	3	556																											731
	1966	Thur 7-21 6AM-2PM	416	35	178	15	644																											876
	1967	Thur 7-13 2PM-10PM	431		111		542	2																										728
	1966	Thur 7-14 2PM-10PM	464	24	116	9	613																											779
	1967	Fri 7-7 10PM-6AM	232	1			233																											277
	1966	Wed 8-31 10PM-6AM	110	1			111																											167
	1967	Total 24 Hours	1086	13	229	3	1331	2		2	5	5	10	110	23	105	22	260	19	26	73		118	5	7	3		15					1736	
	1966	Total 24 Hours	990	60	294	24	1368			5	4	9	140	16	103	25	284	12	49	93	7	161											1822	
	32C	1967	Fri 8-4 6AM-2PM	1785	36	318	5	2144	11		11	5		5	263	63	177	30	533	21	26	89		136	6	2			8					2837
1966		Thur 8-25 6AM-2PM	1660	208	373	37	2278	3	2	5	5		5	223	20	151	35	429	8	37	110		155	4	4	1		9					2881	
1967		Fri 7-28 2PM-10PM	2351	69	342	5	2767	14		14	6	1	7	261	31	88	40	420	9	24	47		80	3	5			8					3296	
1966		Thur 8-18 2PM-10PM	2263	288	365	50	2966	21		21	8	3	11	230	14	86	19	349	8	29	98	1	136	6	2			8					3491	
1967		Thur 8-10 10PM-6AM	414	29	62	1	506				1		1	25	9	15	3	52	2	11	53		66	1	1			2					627	
1966		Wed 8-10 10PM-6AM	605	46	49	12	712	5		5	1		1	41	3	20	8	72	1	29	86		116	2			2						908	
1967		Total 24 Hours	4550	134	722	11	5417	25		25	12	1	13	549	103	280	73	1005	32	61	189		282	10	8			18					6760	
1966		Total 24 Hours	4528	542	787	99	5956	29	2	31	14	3	17	494	37	257	62	850	17	95	294	1	407	12	6	1		19					7280	
35D	1967	Mon 7-31 6AM-2PM	4274	221	675	22	5192	49		49	17	6	23	414	81	276	43	814	15	33	64	1	113	5	2			7					6198	
	1966	Tue 8-23 6AM-2PM	4339	775	777	187	6078	31	2	33	15	3	18	547	41	243	88	919	10	25	56	2	93	6	3	2	1	12	1			1	7154	
	1967	Mon 7-24 2PM-10PM	5472	300	906	67	6745	80		80	11		11	306	47	151	40	544	14	44	35		93	3	6	2		11					7484	
	1966	Tue 8-16 2PM-10PM	5828	1413	1014	167	8422	77	5	82	19	1	20	428	28	121	29	606	18	29	50	1	98	6	4			10					9238	
	1967	Mon 8-7 10PM-6AM	780	36	179	6	1001	17		17	11		11	38	5	10	2	55	2	17	20		39					1				1	1124	
	1966	Mon 8-8 10PM-6AM	788	171	133	41	1133	12		12	19		19	33	2	20	4	59	2	15	26		43										1266	
	1967	Total 24 Hours	10526	557	1760	95	12938	146		146	39	6	45	758	133	437	85	1413	31	94	119	1	245	8	8	2		18	1			1	14806	
	1966	Total 24 Hours	10955	2359	1924	395	15633	120	7	127	53	4	57	1008	71	384	121	1584	30	69	132	3	234	12	7	2	1	22	1			1	17658	

STATE OF IOWA

TABLE W-1 - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	ROUTE NUMBER AND HIGHWAY SYSTEM	DESCRIPTION OF STATION LOCATION	SCALE TYPE AND PERSONNEL	ROADWAY AND PAVEMENT CHARACTERISTICS	ENVIRONMENT	RELATIONSHIP TO OTHER PLANNING RESEARCH AND EXPERIMENTAL SECTIONS	TRAFFIC ON THE ROAD SECTION	YEAR	TIME DAY, DATE, HOURS	VEHICLES WEIGHED														TOTAL VEHICLES WEIGHED								
										SINGLE-UNIT TRUCKS				TRACTOR-SEMITRAILER COMBINATION				TRUCK AND TRAILER COMBINATION				TWO-TRAILER COMBINATION										
										PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3 AXLE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	5 AXLE OR LESS	6 AXLE OR MORE		7 AXLE OR MORE							
86K	U.S. 69 H.S. (31M)	Jct US 69 & Ia 266 - 1 1/2 miles west of Weldon (S Leg) (Est 1936)	L 2+2=4 General Dynamic (GD-MD 400) PR PM 1 VCC 2 INT, RCD 4 FGM 4 LD, TM 1 SUP 1 OTH	SBW, 13, 1x9=9 P 1.7 D13 SH-G10 NEW, 13, 1x9=9 P 1.7 D13 SH-G10	NSB 70/50N60/50 OPN MNB 70/50N60/50 OPN	10 Miles North of ATR Station 617 10 Miles South of Screenline Interview Station (1962)	1967ADT 2665 1967ADL R-611 F-393 1966ADT 2375 1966ADL R-663 F-426	1967	Tue 7-18 6AM-2PM	62	13	43	15	12	21	125	1	3	3	6					304							
								1966	Tue 7-19 6AM-2PM	58	5	43	37	9	37	112													302			
								1967	Tue 7-11 2PM-10PM (1)	62	13	30	27	27	25	138	2	1	5	1										331		
								1966	Tue 7-12 2PM-10PM	58	3	23	6	12	23	96		1	2											224		
								1967	10PM-6AM																							
								1966	10PM-6AM																							
								1967	Total 16 Hours	124	26	73	42	39	46	263	3	4	8	7				635								
								1966	Total 16 Hours	116	8	66	43	21	60	208		1	3					526								
97U	Int. 35 H.S. (01M) Final	On I-35 5 miles South of U.S. 34 Interchange Available for Operation (1970)	P 24+24=48 Fairbanks Morse PR and E 1 VCC 2 INT, RCD 4 FGM 4 TM 1 SUP 1 OTH	UNDER CONSTRUCTION	FNB, 75, N 65 OPN FSB, 75, 65 OPN																											
98W	Int. 35 H.S. (01M) Final	On I-35 10 miles South of US 18 Interchange Available for Operation (1971)	P 24+24=48 Fairbanks Morse PR and E 1 VCC 2 INT, RCD 4 FGM 4 TM 1 SUP 1 OTH	UNDER CONSTRUCTION	FNB, 75, N 65 OPN FSB, 75, N 65 OPN																											

(1) One (1) hour not weighed due to road construction (1966)

STATE OF IOWA

TABLE W-1 (CONTINUED) - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES COUNTED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	YEAR	TIME DAY, DATE, HOURS	VEHICLES COUNTED																										TOTAL VEHICLES COUNTED							
			PASSENGER CARS					MOTORCYCLES			BUSES			SINGLE-UNIT TRUCKS					TRACTOR-SEMITRAILER COMBINATIONS					TRUCK AND TRAILER COMBINATIONS						TWO-TRAILER COMBINATIONS						
			IOWA		OUT-OF-STATE			SUBTOTAL	CYCLES	SCOOTERS	SUBTOTAL	COMMERCIAL	SCHOOL	SUBTOTAL	PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3-AXLE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE		SUBTOTAL	5-AXLE OR LESS	6-AXLE	7-AXLE OR MORE	SUBTOTAL		
			STAND. & COMP.	SMALL	STAND. & COMP.	SMALL	SMALL																													
86K	1967	Tue 7-18 6AM-2PM	460	9	506	1	976	3		3	8		8	67	13	48	15	143	12	23	136	1	172	3	5	6		14					1316			
	1966	Tue 7-19 6AM-2PM	397	38	289	26	750	3		3	3	1	4	59	5	51	37	152	9	37	114		160		1			1					1070			
	1967	Tue 7-11 2PM-10PM	406	5	378	13	802	2		2	4		4	62	16	30	27	135	27	25	139	2	193	1	5	1		7					1143			
	1966	Tue 7-12 2PM-10PM	461	38	268	34	801	3		3	7	2	9	67	3	23	18	111	17	31	119		167	1	2		3						1094			
	1967	Fri 7-7 10PM-6AM	273	2	2		277				3		3	16	2	9	3	30	1	4	110		115		1			1					426			
	1966	Mon 8-29 10PM-6AM	132	16	13	2	163				2		2	13	1	7	1	22	1	26	169		196	1	1		2						385			
	1967	Total 24 Hours	1139	16	886	14	2055	5		5	15		15	145	31	87	45	308	40	52	365	3	480	4	11	7		27					2885			
	1966	Total 24 Hours	990	92	570	67	1714	6		6	12	3	15	139	9	81	56	285	27	94	402		523	2	4		6						2549			
97U																																				
98W																																				

STATE OF IOWA

TABLE W-1 - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	ROUTE NUMBER AND HIGHWAY SYSTEM	DESCRIPTION OF STATION LOCATION	SCALE TYPE AND PERSONNEL	ROADWAY AND PAVEMENT CHARACTERISTICS	ENVIRONMENT	RELATIONSHIP TO OTHER PLANNING RESEARCH AND EXPERIMENTAL SECTIONS	TRAFFIC ON THE ROAD SECTION	YEAR	TIME DAY, DATE, HOURS	VEHICLES WEIGHED														TOTAL VEHICLES WEIGHED								
										SINGLE-UNIT TRUCKS				TRACTOR-SEMITRAILER COMBINATION				TRUCK AND TRAILER COMBINATION				TWO-TRAILER COMBINATION										
										PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3 AXLE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	3 AXLE	4 AXLE	5 AXLE	6 AXLE OR MORE	5 AXLE OR LESS	6 AXLE OR MORE									
99Y	Int. 29 H.S. (01M) Final Operation (1973)	On I-29 10 miles South of US 34 Interchange Available for Operation (1973)	P 24+24=48 Fairbanks Morse PR and E 1 VCC 2 INT, RCD 4 FGM 4 TM 1 SUP 1 OTH	UNDER CONSTRUCTION	FNB 75, N 65 OPN FSB, 75, N 65 OPN																											

STATE OF IOWA

TABLE W-1 (CONTINUED) - LOCATION AND TIME OF OPERATION OF EACH TRUCK WEIGHT STATION SHOWING NUMBER OF VEHICLES COUNTED AT EACH BY TYPE DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

STATION NUMBER	YEAR	TIME DAY, DATE, HOURS	VEHICLES COUNTED																																			
			PASSENGER CARS					MOTORCYCLES			BUSES			SINGLE-UNIT TRUCKS					TRACTOR-SEMITRAILER COMBINATIONS				TRUCK AND TRAILER COMBINATIONS				TWO-TRAILER COMBINATIONS				TOTAL VEHICLES COUNTED							
			IOWA		OUT-OF-STATE			CYCLES	SCOOTERS	SUBTOTAL	COMMERCIAL	SCHOOL	SUBTOTAL	PANEL AND PICKUP	2-AXLE 4-TIRE	2-AXLE 6-TIRE	3-AXLE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE	SUBTOTAL	3-AXLE	4-AXLE	5-AXLE	6-AXLE OR MORE	SUBTOTAL	5-AXLE OR LESS	6-AXLE		7-AXLE OR MORE	SUBTOTAL					
			STAND. & COMP.	SMALL	STAND. & COMP.	SMALL	SMALL																															
99Y	 	 																																				
	 	 																																				
	 	 																																				
	 	 																																				
	 	 																																				
	 	 																																				
	 	 																																				
	 	 																																				
	 	 																																				
	 	 																																				
	 	 																																				
	 	 																																				

TABLE W-2

STATE OF IOWA
FINAL INTERSTATE RURAL--NUMBER AND PERCENTAGE OF VEHICLES OF EACH TYPE COUNTED AT 3 STATIONS
DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING
DATA FOR 1966

TYPE OF VEHICLE	NUMBER COUNTED DURING PERIOD			PERCENTAGE OF TOTAL VEHICLES			PERCENTAGE OF TOTAL TRUCKS AND COMBINATIONS			TRUCKS AND COMBINATIONS WEIGHED		PERCENTAGE WEIGHED OF TOTAL COUNTED	
	1967	1966	RATIO:	1967	1966	RATIO:	1967	1966	1967	1966	1967	1966	
			1967 1966			1967 1966							
PASSENGER CARS IN STATE													
STANDARD	18443	11447	1.611	59.93	34.58	1.733							
SMALL	778	1818	.428	2.53	5.49	.461							
SUBTOTAL	19221	13265	1.449	62.46	40.07	1.559							
OUT-OF-STATE													
STANDARD	4600	11218	.410	14.95	33.89	.441							
SMALL	234	1809	.129	.76	5.46	.139							
SUBTOTAL	4834	13027	.371	15.71	39.35	.399							
SUBTOTAL	23043	22665	1.017	74.88	68.47	1.094							
SMALL	1012	3627	.279	3.29	10.95	.300							
SUBTOTAL	24055	26292	.915	78.17	79.42	.984							
MOTORCYCLES													
MOTORCYCLES	30	35	.857	.10	.11	.909							
MOTORSCOOTERS			.000										
SUBTOTAL	30	35	.857	.10	.11	.909							
BUSES													
COMMERCIAL	99	130	.762	.32	.39	.821							
SCHOOL	45	14	3.214	.14	.04	3.500							
SUBTOTAL	144	144	1.000	.46	.43	1.070							
TOTAL PASSENGER VEHICLES	24229	26471	.915	78.73	79.96	.985							
SINGLE UNIT TRUCKS													
PANEL & PICKUP (UNDER 1 TON)	765	1659	.461	2.49	5.01	.497	11.69	25.01	.467	289	199	37.78	12.00
2-AXLE, 4-TIRE	94	60	1.567	.31	.18	1.722	1.44	.90	1.600	72	51	76.60	85.00
2-AXLE, 6-TIRE	557	657	.848	1.81	1.99	.910	8.51	9.91	.859	496	436	89.05	66.36
3-AXLE	152	199	.764	.49	.60	.817	2.32	3.00	.773	138	151	90.79	75.88
SUBTOTAL	1568	2575	.609	5.10	7.78	.656	23.96	38.82	.617	995	837	63.46	32.50
TRACTOR SEMI-TRAILER COMBINATIONS													
3-AXLE	221	255	.867	.72	.77	.935	3.38	3.84	.880	178	198	80.54	77.65
4-AXLE	737	653	1.129	2.39	1.97	1.213	11.26	9.84	1.144	656	574	89.01	87.90
5-AXLE	3705	2915	1.271	12.04	8.81	1.367	56.62	43.94	1.289	3204	2355	86.48	80.79
6-AXLE OR MORE	10	8	1.250	.04	.02	2.000	.15	.12	1.250	9	6	90.00	75.00
SUBTOTAL	4673	3831	1.220	15.19	11.57	1.313	71.41	57.74	1.237	4047	3133	86.60	81.78
TRUCK AND TRAILER COMBINATIONS													
3-AXLE	21	20	1.050	.06	.06	1.000	.32	.30	1.067	16	19	76.19	95.00
4-AXLE	64	35	1.829	.21	.11	1.909	.98	.53	1.849	56	33	87.50	94.29
5-AXLE	27	43	.628	.09	.13	.692	.41	.65	.631	16	18	59.26	41.86
6-AXLE OR MORE		6		.00	.02		.00	.09			3		50.00
SUBTOTAL	112	104	1.077	.36	.32	1.125	1.71	1.57	1.089	88	73	78.57	70.19
TWO-TRAILER COMBINATIONS													
5-AXLE OR LESS	168	109	1.541	.55	.32	1.719	2.57	1.64	1.567	151	99	89.88	90.83
6-AXLE	23	15	1.533	.07	.05	1.400	.35	.23	1.522	21	11	91.30	73.33
7-AXLE													
SUBTOTAL	191	124	1.540	.62	.37	1.676	2.92	1.87	1.561	172	110	90.05	88.71
TOTAL COMBINATIONS	4976	4059	1.226	16.17	12.26	1.319	76.04	61.18	1.243	4307	3316	86.56	81.69
TOTAL TRUCKS AND COMBINATIONS	6544	6634	.986	21.27	20.04	1.061	100.00	100.00	1.000	5302	4153	81.02	62.60
TOTAL-ALL VEHICLES	30773	33105	.930	100.00	100.00	1.000							

TABLE W-2

STATE OF IOWA
OTHER MAIN RURAL -- NUMBER AND PERCENTAGE OF VEHICLES OF EACH TYPE COUNTED AT 7 STATIONS
DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING
DATA FOR 1966

TYPE OF VEHICLE	NUMBER COUNTED DURING PERIOD			PERCENTAGE OF TOTAL VEHICLES			PERCENTAGE OF TOTAL TRUCKS AND COMBINATIONS			TRUCKS AND COMBI- NATIONS WEIGHED		PERCENTAGE WEIGHED OF TOTAL COUNTED	
	1967	1966	RATIO: 1967 1966	1967	1966	RATIO: 1967 1966	1967	1966	RATIO: 1967 1966	1967	1966	1967	1966
	PASSENGER CARS IN STATE												
STANDARD	19869	18475	1.075	65.77	59.23	1.110							
SMALL	438	2081	.210	1.45	6.67	.217							
SUBTOTAL	20307	20556	.988	67.22	65.90	1.020							
OUT-OF-STATE													
STANDARD	3283	3622	.906	10.86	11.62	.935							
SMALL	69	431	.160	.23	1.38	.167							
SUBTOTAL	3352	4053	.827	11.09	13.00	.853							
SUBTOTAL	23152	22097	1.048	76.63	70.85	1.082							
SMALL	507	2512	.202	1.68	8.05	.209							
SUBTOTAL	23659	24609	.961	78.31	78.90	.993							
MOTORCYCLES													
MOTORCYCLES	81	83	.976	.27	.26	1.038							
MOTORSCOOTERS	13	2	6.500	.04	.01	4.000							
SUBTOTAL	94	85	1.106	.31	.27	1.148							
BUSES													
COMMERCIAL	62	60	1.033	.21	.19	1.105							
SCHOOL	22	20	1.100	.07	.07	1.000							
SUBTOTAL	84	80	1.050	.28	.26	1.077							
TOTAL PASSENGER VEHICLES	23837	24774	.962	78.90	79.43	.993							
SINGLE UNIT TRUCKS													
PANEL & PICKUP (UNDER 1 TON)	1986	1962	1.012	6.58	6.29	1.046	31.16	30.58	1.019	1426	1376	71.80	70.13
2-AXLE, 4-TIRE	376	132	2.848	1.24	.42	2.952	5.90	2.05	2.878	320	113	85.11	85.61
2-AXLE, 6-TIRE	1044	1061	.984	3.46	3.40	1.018	16.38	16.54	.990	924	908	88.51	85.58
3-AXLE	343	410	.837	1.13	1.32	.856	5.38	6.39	.842	288	355	83.97	86.59
SUBTOTAL	3749	3565	1.052	12.41	11.43	1.086	58.82	55.56	1.059	2958	2752	78.90	77.19
TRACTOR SEMI-TRAILER COMBINATIONS													
3-AXLE	170	175	.971	.56	.56	1.000	2.66	2.72	.978	128	116	75.29	66.29
4-AXLE	481	619	.777	1.60	1.98	.808	7.55	9.65	.782	417	452	86.69	73.02
5-AXLE	1790	1920	.932	5.92	6.16	.961	28.08	29.92	.939	1322	1332	73.85	69.38
6-AXLE OR MORE	11	17	.647	.04	.05	.800	.18	.26	.692	8	13	72.73	76.47
SUBTOTAL	2452	2731	.898	8.12	8.75	.928	38.47	42.55	.904	1875	1913	76.47	70.05
TRUCK AND TRAILER COMBINATIONS													
3-AXLE	29	41	.707	.09	.13	.692	.45	.64	.703	23	33	79.31	80.49
4-AXLE	67	25	2.680	.23	.08	2.875	1.05	.39	2.692	49	24	73.13	96.00
5-AXLE	42	20	2.100	.13	.07	1.857	.66	.31	2.129	25	13	59.52	65.00
6-AXLE OR MORE		2	.00	.00	.00	.00	.00	.04	.00		2		100.00
SUBTOTAL	138	88	1.568	.45	.28	1.607	2.16	1.38	1.565	97	72	70.29	81.82
TWO-TRAILER COMBINATIONS													
5-AXLE OR LESS	33	31	1.065	.11	.10	1.100	.52	.48	1.083	21	25	63.64	80.65
6-AXLE	2	2	1.000	.01	.01	1.000	.03	.03	1.000	1	2	50.00	100.00
7-AXLE													
SUBTOTAL	35	33	1.061	.12	.11	1.091	.55	.51	1.078	22	27	62.86	81.82
TOTAL COMBINATIONS	2625	2852	.920	8.69	9.14	.951	41.18	44.44	.927	1994	2012	75.96	70.55
TOTAL TRUCKS AND COMBINATIONS	6374	6417	.993	21.10	20.57	1.026	100.00	100.00	1.000	4952	4764	77.69	74.24
TOTAL-ALL VEHICLES	30211	31191	.969	100.00	100.00	1.000							

TABLE W-2

STATE OF IOWA
ALL MAIN RURAL -- NUMBER AND PERCENTAGE OF VEHICLES OF EACH TYPE COUNTED AT 10 STATIONS
DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING
DATA FOR 1966

TYPE OF VEHICLE	NUMBER COUNTED DURING PERIOD			PERCENTAGE OF TOTAL VEHICLES			PERCENTAGE OF TOTAL TRUCKS AND COMBINATIONS			TRUCKS AND COMBINATIONS WEIGHED		PERCENTAGE WEIGHED OF TOTAL COUNTED	
	1967	1966	RATIO: 1967 1966	1967	1966	RATIO: 1967 1966	1967	1966	RATIO: 1967 1966	1967	1966	1967	1966
PASSENGER CARS IN STATE													
STANDARD	38312	29922	1.280	62.82	46.54	1.350							
SMALL	1216	3899	.312	2.00	6.06	.330							
SUBTOTAL	39528	33821	1.169	64.82	52.60	1.232							
OUT-OF-STATE													
STANDARD	7883	14840	.531	12.92	23.08	.560							
SMALL	303	2240	.135	.50	3.49	.143							
SUBTOTAL	8186	17080	.479	13.42	26.57	.505							
SUBTOTAL	46195	44762	1.032	75.74	69.62	1.088							
SMALL	1519	6139	.247	2.50	9.55	.262							
SUBTOTAL	47714	50901	.937	78.24	79.17	.988							
MOTORCYCLES													
MOTORCYCLES	111	118	.941	.18	.18	1.000							
MOTORSCOOTERS	13	2	6.500	.02	.00								
SUBTOTAL	124	120	1.033	.20	.18	1.111							
BUSES													
COMMERCIAL	161	190	.847	.27	.30	.900							
SCHOOL	67	34	1.971	.11	.05	2.200							
SUBTOTAL	228	224	1.018	.38	.35	1.086							
TOTAL PASSENGER VEHICLES	48066	51245	.938	78.82	79.70	.989							
SINGLE UNIT TRUCKS													
PANEL & PICKUP (UNDER 1 TON)	2751	3621	.760	4.51	5.63	.801	21.30	27.75	.768	1715	1575	62.34	43.50
2-AXLE, 4-TIRE	470	192	2.448	.77	.30	2.567	3.63	1.47	2.469	392	164	83.40	85.42
2-AXLE, 6-TIRE	1601	1718	.932	2.62	2.67	.981	12.40	13.16	.942	1420	1344	88.69	78.23
3-AXLE	495	609	.813	.82	.95	.863	3.83	4.67	.820	426	506	86.06	83.09
SUBTOTAL	5317	6140	.866	8.72	9.55	.913	41.16	47.05	.875	3953	3589	74.35	58.45
TRACTOR SEMI-TRAILER COMBINATIONS													
3-AXLE	391	430	.909	.64	.67	.955	3.03	3.29	.921	306	314	78.26	73.02
4-AXLE	1218	1272	.958	1.99	1.98	1.005	9.43	9.75	.967	1073	1026	88.10	80.66
5-AXLE	5495	4835	1.137	9.02	7.52	1.199	42.53	37.04	1.148	4526	3687	82.37	76.26
6-AXLE OR MORE	21	25	.840	.03	.04	.750	.17	.20	.850	17	19	80.95	76.00
SUBTOTAL	7125	6562	1.086	11.68	10.21	1.144	55.16	50.28	1.097	5922	5046	83.12	76.90
TRUCK AND TRAILER COMBINATIONS													
3-AXLE	50	61	.820	.08	.09	.889	.38	.46	.826	39	52	78.00	85.25
4-AXLE	131	60	2.183	.22	.10	2.200	1.02	.46	2.217	105	57	80.15	95.00
5-AXLE	69	63	1.095	.11	.09	1.222	.53	.49	1.082	41	31	59.42	49.21
6-AXLE OR MORE	8	8	.00	.00	.02	.00	.00	.06		5	5	62.50	62.50
SUBTOTAL	250	192	1.302	.41	.30	1.367	1.93	1.47	1.313	185	145	74.00	75.52
TWO-TRAILER COMBINATIONS													
5-AXLE OR LESS	201	140	1.436	.33	.21	1.571	1.56	1.07	1.458	172	124	85.57	88.57
6-AXLE	25	17	1.471	.04	.03	1.333	.19	.13	1.462	22	13	88.00	76.47
7-AXLE													
SUBTOTAL	226	157	1.439	.37	.24	1.542	1.75	1.20	1.458	194	137	85.84	87.26
TOTAL COMBINATIONS	7601	6911	1.100	12.46	10.75	1.159	58.84	52.95	1.111	6301	5328	82.90	77.09
TOTAL TRUCKS AND COMBINATIONS	12918	13051	.990	21.18	20.30	1.043	100.00	100.00	1.000	10254	8917	79.38	68.32
TOTAL-ALL VEHICLES	60984	64296	.948	100.00	100.00	1.000							

TABLE W-2

STATE OF IOWA
OTHER URBAN NUMBER AND PERCENTAGE OF VEHICLES OF EACH TYPE COUNTED AT 2 STATIONS
DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING
DATA FOR 1966

TYPE OF VEHICLE	NUMBER COUNTED DURING PERIOD			PERCENTAGE OF TOTAL VEHICLES			PERCENTAGE OF TOTAL TRUCKS AND COMBINATIONS			TRUCKS AND COMBINATIONS WEIGHED		PERCENTAGE WEIGHED OF TOTAL COUNTED	
	1967	1966	RATIO: 1967 1966	1967	1966	RATIO: 1967 1966	1967	1966	RATIO: 1967 1966	1967	1966	1967	1966
	PASSENGER CARS IN STATE												
STANDARD	15076	15483	.974 .000	69.91	62.09	1.126							
SMALL	691	2901	.238	3.20	11.63	.275							
SUBTOTAL	15767	18384	.858	73.11	73.72	.992							
OUT-OF-STATE													
STANDARD	2482	2711	.916 .000	11.51	10.87	1.059							
SMALL	106	494	.215	.49	1.98	.247							
SUBTOTAL	2588	3205	.807	12.00	12.85	.934							
SUBTOTAL	17558	18194	.965 .000	81.42	72.96	1.116							
SMALL	797	3395	.235	3.69	13.61	.271							
SUBTOTAL	18355	21589	.850	85.11	86.57	.983							
MOTORCYCLES													
MOTORCYCLES	171	149	1.148	.79	.60	1.317							
MOTORSOOTERS		9	.000	.00	.03								
SUBTOTAL	171	158	1.082	.79	.63	1.254							
BUSES													
COMMERCIAL	51	67	.761	.24	.27	.889							
SCHOOL	7	7	1.000	.03	.03	1.000							
SUBTOTAL	58	74	.784	.27	.30	.900							
TOTAL PASSENGER VEHICLES	18584	21821	.852	86.17	87.50	.985							
SINGLE UNIT TRUCKS													
PANEL & PICKUP (UNDER 1 TON)	1307	1502	.870	6.06	6.02	1.007	43.83	48.19	.910	1195	1185	91.43	78.89
2-AXLE, 4-TIRE	236	108	2.185	1.10	.44	2.500	7.91	3.46	2.286	229	104	97.03	96.30
2-AXLE, 6-TIRE	717	641	1.119	3.32	2.57	1.292	24.05	20.57	1.169	689	593	96.09	92.51
3-AXLE	158	183	.863	.73	.73	1.000	5.30	5.87	.903	142	174	89.87	95.08
SUBTOTAL	2418	2434	.993	11.21	9.76	1.149	81.09	78.09	1.038	2255	2056	93.26	84.47
TRACTOR SEMI-TRAILER COMBINATIONS													
3-AXLE	63	47	1.340	.30	.19	1.579	2.11	1.51	1.397	62	46	98.41	97.87
4-AXLE	155	164	.945	.72	.66	1.091	5.20	5.26	.989	150	152	96.77	92.68
5-AXLE	308	426	.723	1.42	1.71	.830	10.33	13.66	.756	286	412	92.86	96.71
6-AXLE OR MORE	1	4	.250	.01	.01	1.000	.03	.13	.231	1	2	100.00	50.00
SUBTOTAL	527	641	.822	2.45	2.57	.953	17.67	20.56	.859	499	612	94.69	95.48
TRUCK AND TRAILER COMBINATIONS													
3-AXLE	18	24	.750	.08	.10	.800	.60	.77	.779	11	23	61.11	95.83
4-AXLE	16	13	1.231	.08	.05	1.600	.54	.42	1.286	11	13	68.75	100.00
5-AXLE	2	3	.667	.01	.01	1.000	.07	.10	.700	1	3	50.00	100.00
6-AXLE OR MORE	1	1	1.000	.00	.01	.00	.00	.03		1	1	100.00	100.00
SUBTOTAL	36	41	.878	.17	.17	1.000	1.21	1.32	.917	23	40	63.89	97.56
TWO-TRAILER COMBINATIONS													
5-AXLE OR LESS	1	1	1.000	.00	.00		.03	.03	1.000	1	1	100.00	100.00
6-AXLE													
7-AXLE													
SUBTOTAL	1	1	1.000	.00	.00	.000	.03	.03	1.000	1	1	100.00	100.00
TOTAL COMBINATIONS	564	683	.826	2.62	2.74	.956	18.91	21.91	.863	523	653	92.73	95.61
TOTAL TRUCKS AND COMBINATIONS	2982	3117	.957	13.83	12.50	1.106	100.00	100.00	1.000	2778	2709	93.16	86.91
TOTAL-ALL VEHICLES	21566	24938	.865	100.00	100.00	1.000							

TABLE W-2

STATE OF IOWA
ALL MAIN RURAL & URBAN NUMBER AND PERCENTAGE OF VEHICLES OF EACH TYPE COUNTED AT 12 STATIONS
DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING
DATA FOR 1966

TYPE OF VEHICLE	NUMBER COUNTED DURING PERIOD			PERCENTAGE OF TOTAL VEHICLES			PERCENTAGE OF TOTAL TRUCKS AND COMBINATIONS			TRUCKS AND COMBINATIONS WEIGHED		PERCENTAGE WEIGHED OF TOTAL COUNTED	
	1967	1966	RATIO: 1967 1966	1967	1966	RATIO: 1967 1966	1967	1966	RATIO: 1967 1966	1967	1966	1967	1966
	PASSENGER CARS IN STATE												
STANDARD	53388	45405	1.176	64.67	50.89	1.271							
SMALL	1907	6800	.280	2.31	7.62	.303							
SUBTOTAL	55295	52205	1.059	66.98	58.51	1.145							
OUT-OF-STATE	10365	17551	.591	12.56	19.67	.639							
SMALL	409	2734	.150	.50	3.06	.163							
SUBTOTAL	10774	20285	.531	13.06	22.73	.575							
SUBTOTAL	63753	62956	1.013	77.23	70.56	1.095							
SMALL	2316	9534	.243	2.81	10.68	.263							
SUBTOTAL	66069	72490	.911	80.04	81.24	.985							
MOTORCYCLES													
MOTORCYCLES	282	267	1.056	.34	.30	1.133							
MOTORSCOOTERS	13	11	1.182	.01	.01	1.000							
SUBTOTAL	295	278	1.061	.35	.31	1.129							
BUSES													
COMMERCIAL	212	257	.825	.26	.29	.897							
SCHOOL	74	41	1.805	.09	.04	2.250							
SUBTOTAL	286	298	.960	.35	.33	1.061							
TOTAL PASSENGER VEHICLES	66650	73066	.912	80.74	81.88	.986							
SINGLE UNIT TRUCKS													
PANEL & PICKUP (UNDER 1 TON)	4058	5123	.792	4.91	5.74	.855	25.52	31.69	.805	2910	2760	71.71	53.87
2-AXLE, 4-TIRE	706	300	2.353	.86	.34	2.529	4.44	1.85	2.400	621	268	87.96	89.33
2-AXLE, 6-TIRE	2318	2359	.983	2.81	2.64	1.064	14.58	14.59	.999	2109	1937	90.98	82.11
3-AXLE	653	792	.824	.79	.89	.888	4.11	4.90	.839	568	680	86.98	85.86
SUBTOTAL	7735	8574	.902	9.37	9.61	.975	48.65	53.03	.917	6208	5645	80.26	65.84
TRACTOR SEMI-TRAILER COMBINATIONS													
3-AXLE	454	477	.952	.55	.53	1.038	2.86	2.95	.969	368	360	81.06	75.47
4-AXLE	1373	1436	.956	1.66	1.61	1.031	8.63	8.88	.972	1223	1178	89.08	82.03
5-AXLE	5803	5261	1.103	7.03	5.90	1.192	36.50	32.54	1.122	4812	4099	82.92	77.91
6-AXLE OR MORE	22	29	.759	.03	.03	1.000	.14	.18	.778	18	21	81.82	72.41
SUBTOTAL	7652	7203	1.062	9.27	8.07	1.149	48.13	44.55	1.080	6421	5658	83.91	78.55
TRUCK AND TRAILER COMBINATIONS													
3-AXLE	68	85	.800	.08	.10	.800	.43	.52	.827	50	75	73.53	88.24
4-AXLE	147	73	.201	.18	.08	2.250	.92	.45	2.044	116	70	78.91	95.89
5-AXLE	71	66	1.076	.09	.07	1.286	.45	.41	1.098	42	34	59.15	51.52
6-AXLE OR MORE	9	9	.01	.01	.01	1.000	.06	.06	1.000	6	6	66.67	66.67
SUBTOTAL	286	233	1.227	.35	.26	1.346	1.80	1.44	1.250	208	185	72.73	79.40
TWO-TRAILER COMBINATIONS													
5-AXLE OR LESS	202	141	1.433	.24	.16	1.500	1.27	.87	1.460	173	125	85.64	88.65
6-AXLE	25	17	1.471	.03	.02	1.500	.15	.11	1.364	22	13	88.00	88.00
7-AXLE													
SUBTOTAL	227	158	1.437	.27	.18	1.500	1.42	.98	1.449	195	138	85.90	87.34
TOTAL COMBINATIONS	8165	7594	1.075	9.89	8.51	1.162	51.35	46.97	1.093	6824	5981	83.58	78.76
TOTAL TRUCKS AND COMBINATIONS	15900	16168	.983	19.26	18.12	1.063	100.00	100.00	1.000	13032	11626	81.96	71.91
TOTAL-ALL VEHICLES	82550	89234	.925	100.00	100.00	1.000							

STATE OF IOWA

TABLE W-3

FINAL INTERSTATE RURAL -- NUMBER OF LOADED AND EMPTY VEHICLES COUNTED, AVERAGE WEIGHT AND AVERAGE LOADS OF VEHICLES OF EACH TYPE COUNTED AND WEIGHED AT 3 STATIONS FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

TYPE OF VEHICLE	LOADED AND EMPTY VEHICLES						LOADED VEHICLES									EMPTY VEHICLES									COMPUTED AVERAGE CARRIED LOAD LBS.		
	NUMBER COUNTED			AVE. TOTAL WEIGHTS (LBS.)			PERCENT OF TOTAL			EST. NUMBER LOADED			AVE. LOADED WEIGHT (LBS.)			PERCENT OF TOTAL			EST. NUMBER EMPTY			AVE. EMPTY WEIGHTS (LBS.)			COMPUTED AVERAGE CARRIED LOAD LBS.		
	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO
SINGLE UNIT TRUCKS																											
PANEL AND PICKUP (UNDER 1 TON)	765	1659	.461	5001	4523	1.106	45.67	45.23	1.010	349	750	.465	5689	4922	1.156	54.33	54.77	.992	416	909	.458	4422	4193	1.055	1267	729	1.738
2-AXLE, 4 TIRE	94	60	1.567	6211	5533	1.123	63.89	60.78	1.051	60	36	1.667	6830	6161	1.109	36.11	39.22	.921	34	24	1.417	5115	4560	1.122	1715	1601	1.071
2-AXLE, 6 TIRE	557	657	.848	13786	12248	1.126	65.32	61.93	1.055	364	407	.894	15836	14187	1.116	34.68	38.07	.911	193	250	.772	9924	9094	1.091	5912	5093	1.161
3-AXLE	152	199	.764	23373	23641	.989	51.45	52.32	.983	78	104	.750	31377	30258	1.037	48.55	47.68	1.018	74	95	.779	14890	16381	.909	16487	13877	1.188
SUBTOTAL	1568	2575	.609	9975	7995	1.248	54.27	50.37	1.077	851	1297	.656	12464	9895	1.260	45.73	49.63	.921	717	1278	.561	7016	6065	1.157	4680	3177	
TRACTOR SEMITRAILER COMBINATIONS																											
3-AXLE	221	255	.867	28907	27847	1.038	72.47	73.74	.983	160	188	.851	32107	30636	1.048	27.53	26.26	1.048	61	67	.910	20482	20015	1.023	11625	10621	1.095
4-AXLE	737	653	1.129	39376	37866	1.040	75.15	74.04	1.015	554	483	1.147	44512	42337	1.051	24.85	25.96	.957	183	170	1.076	23843	25114	.949	20669	17223	1.200
5-AXLE	3705	2915	1.271	55055	54622	1.008	79.56	80.00	.995	2948	2332	1.264	61749	60444	1.022	20.44	20.00	1.022	757	583	1.298	28998	31332	.926	32751	29112	1.125
6-AXLE OR MORE	10	8	1.250	43934	53467	.822	77.78	50.00	1.556	8	4	2.000	47600	71600	.665	22.22	50.00	.444	2	4	.500	31100	35333	.880	16500	36267	.455
SUBTOTAL	4673	3831	1.220	51322	49981	1.027	78.54	78.49	1.001	3670	3007	1.220	57824	55687	1.038	21.46	21.51	.998	1003	824	1.217	27544	29148	.945	29971	26056	1.150
TRUCK AND TRAILER COMBINATIONS																											
3-AXLE OR LESS	21	20	1.050	15100	20789	.726	75.00	73.68	1.018	16	15	1.067	17017	23500	.724	25.00	26.32	.950	5	5	1.000	9350	13200	.708	7667	10300	.744
4-AXLE	64	35	1.829	20489	24103	.850	69.64	72.73	.958	45	25	1.800	22564	26200	.861	30.36	27.27	1.113	19	10	1.900	15729	18511	.850	6835	7689	.889
5-AXLE	27	43	.628	40337	34489	1.170	68.75	61.11	1.125	19	26	.731	46727	41655	1.122	31.25	38.89	.804	8	17	.471	26280	23229	1.131	20447	18426	1.110
6-AXLE OR MORE		6		42467			66.67				4		48200			33.33				2		31000			17200		
SUBTOTAL	112	104	1.077	24263	28819	.842	71.43	67.31	1.061	80	70	1.143	27193	32619	.834	28.57	32.69	.874	32	34	.941	17370	20824	.834	10234	12780	.801
TWO TRAILER COMBINATIONS																											
5-AXLE OR LESS	168	109	1.541	50658	57897	.875	86.75	98.99	.876	146	108	1.352	53676	58161	.923	13.25	1.01	3.119	22	1	2.000	30900	32000	.966	22776	26161	.871
6-AXLE	23	15	1.533	55743	56382	.989	95.24	81.82	1.164	22	12	1.833	56470	60600	.932	4.76	18.18	.262	1	3	.333	41200	37400	1.102	15270	23200	.658
7-AXLE OR MORE																											
SUBTOTAL	191	124	1.540	51270	57714	.888	87.96	96.77	.909	168	120	1.400	54042	58405	.925	12.04	3.23	3.728	23	4	5.750	31348	36050	.870	21793	25865	.843
TOTAL COMBINATIONS	4976	4059	1.226	50711	49675	1.021	78.74	78.76	1.000	3918	3197	1.226	57036	55284	1.032	21.26	21.24	1.001	1058	862	1.227	27319	28852	.947	29217	25758	1.134
TOTAL TRUCKS AND COMBINATIONS	6544	6634	.986	40950	33497	1.222	72.88	67.74	1.076	4769	4494	1.061	49083	42184	1.164	27.12	32.26	.841	1775	2140	.829	19118	15244	1.254	24839	19241	1.291

STATE OF IOWA

TABLE W-3

OTHER MAIN RURAL -- NUMBER OF LOADED AND EMPTY VEHICLES COUNTED, AVERAGE WEIGHT AND AVERAGE LOADS OF VEHICLES OF EACH TYPE COUNTED AND WEIGHED AT 7 STATIONS FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

TYPE OF VEHICLE	LOADED AND EMPTY VEHICLES						LOADED VEHICLES									EMPTY VEHICLES									COMPUTED AVERAGE CARRIED LOAD LBS.		
	NUMBER COUNTED			AVE. TOTAL WEIGHTS (LBS.)			PERCENT OF TOTAL			EST. NUMBER LOADED			AVE. LOADED WEIGHT (LBS.)			PERCENT OF TOTAL			EST. NUMBER EMPTY			AVE. EMPTY WEIGHTS (LBS.)			1967	1966	RATIO
	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO
SINGLE UNIT TRUCKS																											
PANEL AND PICKUP (UNDER 1 TON)	1986	1962	1.012	4487	4510	.995	31.56	30.67	1.029	627	602	1.042	5252	5142	1.021	68.44	69.33	.987	1359	1360	.999	4134	4231	.977	1118	911	1.227
2-AXLE, 4 TIRE	376	132	2.848	5820	6215	.936	57.81	61.95	.933	217	82	2.646	6547	6769	.967	42.19	38.05	1.109	159	50	3.180	4824	5312	.908	1723	1457	1.183
2-AXLE, 6 TIRE	1044	1061	.984	12750	12491	1.021	65.04	65.20	.998	679	692	.981	14407	14070	1.024	34.96	34.80	1.005	365	369	.989	9668	9534	1.014	4739	4536	1.045
3-AXLE	343	410	.837	26763	25476	1.051	53.47	53.24	1.004	183	218	.839	35830	33350	1.074	46.53	46.76	.995	160	192	.833	16343	16510	.990	19487	16840	1.157
SUBTOTAL	3749	3565	1.052	8960	9360	.957	45.51	44.71	1.018	1706	1594	1.070	12341	12959	.952	54.49	55.29	.986	2043	1971	1.037	6133	6447	.951	4607	4691	.982
TRACTOR SEMITRAILER COMBINATIONS																											
3-AXLE	170	175	.971	28924	27585	1.049	67.97	68.97	.986	116	121	.959	32883	30653	1.073	32.03	31.03	1.032	54	54	1.000	20522	20767	.988	12361	9886	1.250
4-AXLE	481	619	.777	38495	38697	.995	65.47	64.82	1.010	315	401	.786	45303	45503	.996	34.53	35.18	.982	166	218	.761	25586	26156	.978	19717	19347	1.019
5-AXLE	1790	1920	.932	53153	54493	.975	68.76	73.35	.937	1231	1408	.874	63098	62653	1.007	31.24	26.65	1.172	559	512	1.092	31263	32032	.976	31835	30621	1.040
6-AXLE OR MORE	11	17	.647	53875	55338	.974	87.50	69.23	1.264	10	12	.833	57486	61000	.942	12.50	30.77	.406	1	5	.200	28600	42600	.671	28886	18400	1.570
SUBTOTAL	2452	2731	.898	48601	49194	.988	68.19	71.11	.959	1672	1942	.861	57616	57108	1.009	31.81	28.89	1.101	780	789	.989	29308	29704	.987	28183	26926	1.047
TRUCK AND TRAILER COMBINATIONS																											
3-AXLE OR LESS	29	41	.707	15130	18558	.815	73.91	75.76	.976	21	31	.677	17812	20496	.869	26.09	24.24	1.076	8	10	.800	7533	12500	.603	10279	7996	1.286
4-AXLE	67	25	2.680	18543	26659	.696	73.47	79.17	.928	49	20	2.450	20678	29253	.707	26.53	20.83	1.274	18	5	3.600	12631	16800	.752	8047	12453	.646
5-AXLE	42	20	2.100	48816	22123	2.207	68.00	53.85	1.263	29	11	2.636	57612	25029	2.302	32.00	46.15	.693	13	9	1.444	30125	18733	1.608	27487	6296	4.366
6-AXLE OR MORE		2			51400			50.00			1		78800				50.00			1		24000				54800	
SUBTOTAL	138	88	1.568	27039	22416	1.206	71.74	71.59	1.002	99	63	1.571	30889	24993	1.236	28.26	28.41	.995	39	25	1.560	17417	16064	1.084	14215	9857	1.442
TWO TRAILER COMBINATIONS																											
5-AXLE OR LESS	33	31	1.065	55477	52864	1.049	95.24	72.00	1.323	31	22	1.409	56280	59400	.947	4.76	28.00	.170	2	9	.222	39400	36057	1.093	16880	23343	.723
6-AXLE	2	2	1.000	52600	66600	.790	100.00	00.00	1.000	2	2	1.000	52600	66600	.790											*	*
7-AXLE OR MORE																											
SUBTOTAL	35	33	1.061	55313	53696	1.030	94.29	72.73	1.296	33	24	1.375	56057	60000	.934	5.71	27.27	.209	2	9	.222	39400	36057	1.093	16880	23343	.723
TOTAL COMBINATIONS	2625	2852	.920	47557	48420	.982	68.72	71.14	.966	1804	2029	.889	56121	56145	1.000	31.28	28.86	1.084	821	823	.998	28768	29359	.980	27221	26357	1.033
TOTAL TRUCKS AND COMBINATIONS	6374	6417	.993	24855	26720	.930	55.07	56.46	.975	3510	3623	.969	34842	37145	.938	44.93	43.54	1.032	2864	2794	1.025	12622	13196	.957	16224	16819	.965

STATE OF IOWA

TABLE W-3

ALL MAIN RURAL -- NUMBER OF LOADED AND EMPTY VEHICLES COUNTED, AVERAGE WEIGHT AND AVERAGE LOADS OF VEHICLES OF EACH TYPE COUNTED AND WEIGHED AT 10 STATIONS FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

TYPE OF VEHICLE	LOADED AND EMPTY VEHICLES						LOADED VEHICLES									EMPTY VEHICLES									COMPUTED AVERAGE CARRIED LOAD LBS.			
	NUMBER COUNTED			AVE. TOTAL WEIGHTS (LBS.)			PERCENT OF TOTAL			EST. NUMBER LOADED			AVE. LOADED WEIGHT (LBS.)			PERCENT OF TOTAL			EST. NUMBER EMPTY			AVE. EMPTY WEIGHTS (LBS.)						
	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	
SINGLE UNIT TRUCKS																												
PANEL AND PICKUP (UNDER 1 TON)	2751	3621	.760	4592	4554	1.008	35.48	37.34	.950	976	1352	.722	5351	5104	1.048	64.52	62.66	1.030	1775	2269	.782	4174	4227	.987	1177	877	1.342	
2-AXLE, 4 TIRE	470	192	2.448	5892	6000	.982	58.94	61.46	.959	277	118	2.347	6603	6582	1.003	41.06	38.54	1.065	193	74	2.608	4871	5073	.960	1732	1509	1.148	
2-AXLE, 6 TIRE	1601	1718	.932	13113	12404	1.057	65.15	63.97	1.018	1043	1099	.949	14908	14106	1.057	34.85	36.03	.967	558	619	.901	9757	9382	1.040	5151	4724	1.090	
3-AXLE	495	609	.813	25649	24913	1.030	52.73	52.87	.997	261	322	.811	34425	32439	1.061	47.27	47.13	1.003	234	287	.815	15859	16471	.963	18566	15968	1.163	
SUBTOTAL	5317	6140	.866	9233	8815	1.047	48.09	47.08	1.021	2557	2891	.884	12353	11631	1.062	51.91	52.92	.981	2760	3249	.849	6342	6310	1.005	4633	4046	1.145	
TRACTOR SEMITRAILER COMBINATIONS																												
3-AXLE	391	430	.909	28914	27738	1.042	70.59	71.86	.982	276	309	.893	32419	30642	1.058	29.41	28.14	1.045	115	121	.950	20500	20323	1.009	11919	10319	1.155	
4-AXLE	1218	1272	.958	39026	38146	1.023	71.35	69.50	1.027	869	884	.983	44794	43629	1.027	28.65	30.50	.939	349	388	.899	24661	25652	.961	20133	17977	1.120	
5-AXLE	5495	4835	1.137	54385	54502	.998	76.05	77.35	.983	4179	3740	1.117	62104	61198	1.015	23.95	22.65	1.057	1316	1095	1.202	29874	31633	.944	32230	29565	1.090	
6-AXLE OR MORE	21	25	.840	49360	54951	.898	85.71	64.00	1.339	18	16	1.125	52543	63650	.825	14.29	36.00	.397	3	9	.333	30267	39486	.767	22276	24164	.922	
SUBTOTAL	7125	6562	1.086	50347	49579	1.015	74.98	75.42	.994	5342	4949	1.079	57722	56160	1.028	25.02	24.58	1.018	1783	1613	1.105	28250	29390	.961	29179	26276	1.110	
TRUCK AND TRAILER COMBINATIONS																												
3-AXLE OR LESS	50	61	.820	15085	19409	.777	74.00	75.41	.981	37	46	.804	17483	21574	.810	26.00	24.59	1.057	13	15	.867	8260	12769	.647	9223	8805	1.047	
4-AXLE	131	60	2.183	19605	25137	.780	71.76	75.00	.957	94	45	2.089	21659	27549	.786	28.24	25.00	1.130	37	15	2.467	14387	17900	.804	7272	9649	.754	
5-AXLE	69	63	1.095	45823	29397	1.559	69.57	58.73	1.185	48	37	1.297	53336	35189	1.516	30.43	41.27	.737	21	26	.808	28646	21154	1.354	24690	14035	1.759	
6-AXLE OR MORE		8		46813			62.50				5		58400			37.50			3			27500			30900			
SUBTOTAL	250	192	1.302	25937	25618	1.012	71.60	69.27	1.034	179	133	1.346	29290	28768	1.018	28.40	30.73	.924	71	59	1.203	17483	18518	.944	12346	11376	1.085	
TWO TRAILER COMBINATIONS																												
5-AXLE OR LESS	201	140	1.436	51309	56725	.905	88.06	92.86	.948	177	130	1.362	54021	58353	.926	11.94	7.14	1.672	24	10	2.400	31305	35550	.881	22716	22803	.996	
6-AXLE	25	17	1.471	55683	57404	.970	96.00	82.35	1.166	24	14	1.714	56286	61691	.912	4.00	17.65	.227	1	3	.333	41200	37400	1.102	15086	24291	.621	
7-AXLE OR MORE																												
SUBTOTAL	226	157	1.439	51793	56799	.912	88.94	91.72	.970	201	144	1.396	54291	58678	.925	11.06	8.28	1.336	25	13	1.923	31701	35977	.881	21805	22948	.950	
TOTAL COMBINATIONS	7601	6911	1.100	49587	49077	1.010	75.28	75.62	.996	5722	5226	1.095	56712	55532	1.021	24.72	24.38	1.014	1879	1685	1.115	27889	29060	.960	28393	25805	1.100	
TOTAL TRUCKS AND COMBINATIONS	12918	13051	.990	32978	30135	1.094	64.09	62.19	1.031	8279	8117	1.020	43012	39896	1.078	35.91	37.81	.950	4639	4934	.940	15070	14079	1.070	21055	18055	1.166	

STATE OF IOWA

TABLE W-3

OTHER URBAN NUMBER OF LOADED AND EMPTY VEHICLES COUNTED, AVERAGE WEIGHT AND AVERAGE LOADS OF VEHICLES OF EACH TYPE COUNTED AND WEIGHED AT 2 STATIONS FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

TYPE OF VEHICLE	LOADED AND EMPTY VEHICLES						LOADED VEHICLES									EMPTY VEHICLES									COMPUTED AVERAGE CARRIED LOAD LBS.			
	NUMBER COUNTED			AVE. TOTAL WEIGHTS (LBS.)			PERCENT OF TOTAL			EST. NUMBER LOADED			AVE. LOADED WEIGHT (LBS.)			PERCENT OF TOTAL			EST. NUMBER EMPTY			AVE. EMPTY WEIGHTS (LBS.)			1967	1966	RATIO	
	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	
SINGLE UNIT TRUCKS																												
PANEL AND PICKUP (UNDER 1 TON)	1307	1502	.870	4453	4193	1.062	31.05	40.42	.768	406	607	.669	5309	4588	1.157	68.95	59.58	1.157	901	895	1.007	4067	3925	1.036	1242	663	1.873	
2-AXLE, 4 TIRE	236	108	2.185	6149	5952	1.033	69.87	72.12	.969	165	78	2.115	6706	6392	1.049	30.13	27.88	1.081	71	30	2.367	4858	4814	1.009	1848	1578	1.171	
2-AXLE, 6 TIRE	717	641	1.119	12661	11077	1.143	59.94	63.41	.945	430	406	1.059	14924	12489	1.195	40.06	36.59	1.095	287	235	1.221	9274	8631	1.074	5650	3858	1.464	
3-AXLE	158	183	.863	29395	26694	1.101	52.82	58.62	.901	83	107	.776	37565	33425	1.124	47.18	41.38	1.140	75	76	.987	20248	17158	1.180	17317	16267	1.065	
SUBTOTAL	2418	2434	.993	8682	7776	1.117	44.83	49.22	.911	1084	1198	.905	11805	9959	1.185	55.17	50.78	1.086	1334	1236	1.079	6139	5655	1.086	4314	3199	1.349	
TRACTOR SEMITRAILER COMBINATIONS																												
3-AXLE	63	47	1.340	30803	26521	1.161	83.87	71.74	1.169	53	34	1.559	32588	29042	1.122	16.13	28.26	.571	10	13	.769	21520	20123	1.069	11068	8919	1.241	
4-AXLE	155	164	.945	38568	40156	.960	70.67	73.03	.968	110	120	.917	43126	45189	.954	29.33	26.97	1.088	45	44	1.023	27586	26527	1.040	15540	18662	.833	
5-AXLE	308	426	.723	55657	53088	1.048	65.38	59.95	1.091	201	255	.788	67876	68406	.992	34.62	40.05	.864	107	171	.626	32582	30158	1.080	35294	38248	.923	
6-AXLE OR MORE	1	4	.250	65800	76400	.861	100.00	100.00	1.000	1	4	.250	65800	76400	.861											*	*	
SUBTOTAL	527	641	.822	47679	47977	.994	69.26	64.43	1.075	365	413	.884	55287	58497	.945	30.74	35.57	.864	162	228	.711	30511	28885	1.056	25797	30063	.858	
TRUCK AND TRAILER COMBINATIONS																												
3-AXLE OR LESS	18	24	.750	9582	18000	.532	63.64	78.26	.813	11	19	.579	9714	19033	.510	36.36	21.74	1.672	7	5	1.400	9350	14280	.655	364	4753	.077	
4-AXLE	16	13	1.231	17691	22662	.781	63.64	84.62	.752	10	11	.909	18086	24273	.745	36.36	15.38	2.364	6	2	3.000	17000	13800	1.232	1086	10473	.104	
5-AXLE	2	3	.667	10800	51533	.210		100.00			3		51533		100.00				2			10800			*	*		
6-AXLE OR MORE		1		45800																1		45800			*	*		
SUBTOTAL	36	41	.878	13254	22610	.586	58.33	80.49	.725	21	33	.636	13701	23734	.577	41.67	19.51	2.136	15	8	1.875	12603	18100	.696	708	6850	.103	
TWO TRAILER COMBINATIONS																												
5-AXLE OR LESS	1	1	1.000	79000	29000	2.724	100.00			1			79000		100.00					1		29000			*	*		
6-AXLE																										*	*	
7-AXLE OR MORE																										*	*	
SUBTOTAL	1	1	1.000	79000	29000	2.724	100.00			1			79000		100.00					1		29000			.000	29000	.000	* * * .000
TOTAL COMBINATIONS	564	683	.826	45537	46426	.981	68.62	65.30	1.051	387	446	.868	53092	55925	.949	31.38	34.70	.904	177	237	.747	28993	28521	1.017	24429	28477	.858	
TOTAL TRUCKS AND COMBINATIONS	2982	3117	.957	15653	16245	.964	49.33	52.74	.935	1471	1644	.895	22667	22429	1.011	50.67	47.26	1.072	1511	1473	1.026	8816	9334	.945	9586	9978	.961	

STATE OF IOWA

TABLE W-3

ALL MAIN RURAL & URBAN NUMBER OF LOADED AND EMPTY VEHICLES COUNTED, AVERAGE WEIGHT AND AVERAGE LOADS OF
VEHICLES OF EACH TYPE COUNTED AND WEIGHED AT 12 STATIONS FROM JULY 5 TO SEPTEMBER 1, 1967
COMPARED TO CORRESPONDING DATA FOR 1966

TYPE OF VEHICLE	LOADED AND EMPTY VEHICLES						LOADED VEHICLES									EMPTY VEHICLES									COMPUTED AVERAGE CARRIED LOAD LBS.		
	NUMBER COUNTED			AVE. TOTAL WEIGHTS (LBS.)			PERCENT OF TOTAL			EST. NUMBER LOADED			AVE. LOADED WEIGHT (LBS.)			PERCENT OF TOTAL			EST. NUMBER EMPTY			AVE. EMPTY WEIGHTS (LBS.)			1967	1966	RATIO
	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO	1967	1966	RATIO						
SINGLE UNIT TRUCKS																											
PANEL AND PICKUP (UNDER 1 TON)	4058	5123	.792	4547	4448	1.022	34.06	38.24	.891	1382	1959	.705	5339	4944	1.080	65.94	61.76	1.068	2676	3164	.846	4138	4142	.999	1201	802	1.498
2-AXLE, 4 TIRE	706	300	2.353	5978	5983	.999	62.61	65.33	.958	442	196	2.255	6641	6506	1.021	37.39	34.67	1.078	264	104	2.538	4868	4998	.974	1773	1508	1.176
2-AXLE, 6 TIRE	2318	2359	.983	12973	12043	1.077	63.55	63.80	.996	1473	1505	.979	14913	13670	1.091	36.45	36.20	1.007	845	854	.989	9593	9175	1.046	5320	4495	1.184
3-AXLE	653	792	.824	26555	25325	1.049	52.68	54.17	.972	344	429	.802	35183	32685	1.076	47.32	45.83	1.033	309	363	.851	16924	16615	1.019	18259	14426	1.266
SUBTOTAL	7735	8574	.902	9061	8520	1.063	47.07	47.69	.987	3641	4089	.890	12190	11141	1.094	52.93	52.31	1.012	4094	4485	.913	6276	6129	1.024	5914	5012	1.180
TRACTOR SEMITRAILER COMBINATIONS																											
3-AXLE	454	477	.952	29176	27618	1.056	72.47	71.91	1.008	329	343	.959	32446	29679	1.093	27.53	28.09	.980	125	134	.933	20582	20304	1.014	11864	9375	1.265
4-AXLE	1373	1436	.956	38974	38376	1.016	71.30	69.92	1.020	979	1004	.975	44607	43815	1.018	28.70	30.08	.954	394	432	.912	24995	25741	.971	19612	18074	1.085
5-AXLE	5803	5261	1.103	54453	54388	1.001	75.48	75.94	.994	4380	3995	1.096	62369	61658	1.012	24.52	24.06	1.019	1423	1266	1.124	30078	31434	.957	32291	30224	1.068
6-AXLE OR MORE	22	29	.759	50107	57909	.865	86.36	68.97	1.252	19	20	.950	53241	66200	.804	13.64	31.03	.440	3	9	.333	30300	39486	.767	22941	26714	.859
SUBTOTAL	7652	7203	1.062	50163	49437	1.015	74.58	74.44	1.002	5707	5362	1.064	57566	56288	1.023	25.42	25.56	.995	1945	1841	1.056	28438	29327	.970	29128	26961	1.080
TRUCK AND TRAILER COMBINATIONS																											
3-AXLE OR LESS	68	85	.800	13628	19011	.717	70.59	76.47	.923	48	65	.738	15703	20832	.754	29.41	23.53	1.250	20	20	1.000	8642	13147	.657	7061	7685	.919
4-AXLE	147	73	2.014	19397	24696	.785	70.75	76.71	.922	104	56	1.857	21315	26906	.792	29.25	23.29	1.256	43	17	2.529	14752	17418	.847	6563	9488	.692
5-AXLE	71	66	1.076	44836	30403	1.475	67.61	60.61	1.115	48	40	1.200	53336	36415	1.465	32.39	39.39	.822	23	26	.885	27094	21154	1.281	26242	15261	1.720
6-AXLE OR MORE		9			46700			55.56			5		58400				44.44			4		32075				26325	
SUBTOTAL	286	233	1.227	24341	25089	.970	69.93	71.24	.982	200	166	1.205	27653	27767	.996	30.07	28.76	1.046	86	67	1.284	16632	18468	.901	11021	9299	1.185
TWO TRAILER COMBINATIONS																											
5-AXLE OR LESS	202	141	1.433	51446	56483	.911	88.12	92.20	.956	178	130	1.369	54161	58353	.928	11.88	7.80	1.523	24	11	2.182	31305	33964	.922	22856	24389	.937
6-AXLE	25	17	1.471	55683	57404	.970	96.00	82.35	1.166	24	14	1.714	56286	61691	.912	4.00	17.65	.227	1	3	.333	41200	37400	1.102	15086	24291	.621
7-AXLE OR MORE																											
SUBTOTAL	227	158	1.437	51913	56582	.917	88.99	91.14	.976	202	144	1.403	54414	58678	.927	11.01	8.86	1.243	25	14	1.786	31701	34700	.914	22713	23978	.947
TOTAL COMBINATIONS	8165	7594	1.075	49307	48838	1.010	74.82	74.69	1.002	6109	5672	1.077	56483	55514	1.017	25.18	25.31	.995	2056	1922	1.070	27984	28988	.965	28499	26526	1.074
TOTAL TRUCKS AND COMBINATIONS	15900	16168	.983	29728	27457	1.083	61.32	60.37	1.016	9750	9761	.999	39942	36926	1.082	38.68	39.63	.976	6150	6407	.960	13533	12987	1.042	26409	23939	1.103

STATE OF IOWA

TABLE W-4 FINAL INTERSTATE RURAL--NUMBER OF AXLE LOADS OF VARIOUS MAGNITUDES OF LOADED AND EMPTY TRUCKS AND TRUCK COMBINATIONS OF EACH TYPE WEIGHED, THE PROBABLE NUMBER OF SUCH LOADS, AND THE EIGHTEEN KIP AXLE EQUIVALENTS OF EACH GENERAL TYPE AND OF ALL TYPES COUNTED AT 3 WEIGHT STUDY STATIONS DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

Main data table with columns for vehicle types (Single-unit trucks, Tractor-semitrailer combinations, etc.), axle load ranges, and axle counts for 1966 and 1967. Includes sub-sections for Single Axles, Tandem Axle Groups, and All Axles.

IOWA LEGAL LIMIT WEIGHT LAWS DESCRIBED IN APPENDIX A

STATE OF IOWA

TABLE W-5

FINAL INTERSTATE RURAL -- NUMBER OF TRUCKS AND TRUCK COMBINATIONS OF EACH TYPE BY TOTAL WEIGHED AT 3 WEIGHT STUDY STATIONS DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

GROSS OPERATING WEIGHT IN POUNDS	SINGLE-UNIT TRUCKS										TRACTOR-SEMITRAILER COMBINATIONS										TRUCK AND TRAILER COMBINATIONS										TWO-TRAILER COMBINATIONS								TOTAL ALL COMBINATIONS		TOTAL ALL TRUCKS AND COMBINATIONS		PERCENT HEAVIER THAN LOW WEIGHT INTERVAL LIMIT		VEHICLES PER 1,000 TRUCKS AND COMBINATIONS		RATIO 1967 1966								
	PANEL AND PICKUP (UNDER 1 TON)		2 AXLE 4 TIRE		2 AXLE 6 TIRE		3 AXLE		ALL SINGLE-UNIT TRUCKS PROBABLE		3 AXLE		4 AXLE		5 AXLE		6 AXLE OR MORE		ALL SEMITRAILER COMBINATIONS PROBABLE		3 AXLE		4 AXLE		5 AXLE		6 AXLE OR MORE		ALL TRUCK-TRAILER COMBINATIONS PROBABLE		5 AXLE OR LESS		6 AXLE		7 AXLE OR MORE		ALL TWO-TRAILER COMBINATIONS PROBABLE		PROBABLE		PROBABLE		1967	1966	1967	1966									
	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966															
UNDER 4,000	35	52	2	6					95	441																												95	441	100.00	100.00	14.5	66.4	.218											
4,000 - 9,999	254	147	69	44	132	163	2	1	913	1524											8	2	5	4													16	6	929	1530	98.54	93.35	141.9	230.6	.615										
10,000 - 13,999			1	1	156	121	16	14	194	202		1		1							2	2	4	17	3											22	10	216	214	84.35	70.28	33.0	32.2	1.024											
13,500 - 19,999					120	108	57	60	198	242	26	34	18	12						53	59	3	5	12	8										18	16	71	75	269	317	81.05	67.06	41.1	47.7	.861										
20,000 - 21,999					29	26	6	8	39	50	15	21	30	22	2	4				55	57			2	4	1									4	4	59	61	98	111	76.94	62.28	14.9	16.7	.892										
22,000 - 23,999					28	11	2	4	34	22	14	18	42	37	43	9				114	76	1		4	2	1	1								8	5	122	81	156	103	75.44	60.61	23.8	15.5	1.535										
24,000 - 25,999					22	4	4	4	29	11	14	12	39	28	102	47				179	105			4	1	1	3								6	8	185	113	214	124	73.05	59.05	32.7	18.6	1.758										
26,000 - 27,999					9	1	5	8	16	12	19	17	39	40	185	74	1			282	159	2	2	2	2	2					1			6	2	289	161	305	173	69.78	57.19	46.6	26.0	1.792											
28,000 - 29,999						2	3	10	3	16	10	14	12	33	110	90				153	167			1	1	1							5		161	167	164	183	65.12	54.58	25.0	27.5	.909												
30,000 - 31,999							6	7	7	9	16	13	21	29	109	79		1	170	149	1		1	2	1		1	3	7	11				3	7	185	156	192	165	62.62	51.82	29.3	24.8	1.181											
32,000 - 33,999								5	5	5	7	13	17	22	20	77	81	1	131	145		2	1			2		1	7	6	1		1		1	7	6	139	154	144	161	59.68	49.33	22.0	24.2	.909									
34,000 - 35,999								5	9	5	12	11	15	30	24	40	72	1	94	137		2	1	3		3		1	12	4	2		4	2	99	151	104	163	57.48	46.90	15.8	24.5	.644												
36,000 - 37,999								6	4	7	5	16	12	28	21	38	47	1	96	98	1	1	1	2	2	1	1	6	8	1	1			1	6	8	103	107	110	112	55.89	44.45	16.8	16.8	1.000										
38,000 - 39,999								5	7	5	9	9	13	31	34	39	49		91	116			2	1	2			2	6	9	1	1			11	1	104	123	109	132	54.21	42.76	16.6	19.8	.838										
40,000 - 44,999							15	7	17	9	14	10	96	100	111	102	3	1	257	254	1				1			3	1	12	7	4	1			18	9	278	264	295	273	52.55	40.77	45.0	41.1	1.094									
45,000 - 49,999								1	3	1	4	1	1	105	88	166	126		311	257			3	1				3	1	17	10	2	2			21	14	335	272	336	276	48.04	36.65	51.3	41.6	1.233									
50,000 - 54,999														79	58	220	175	2	345	283					2	1		2	2	26	11	2	1			31	14	378	299	378	299	42.90	32.49	57.7	45.0	1.282									
55,000 - 59,999														58	22	274	245	1	382	330			1		3		1	9	24	21	4	1			31	25	414	364	414	364	37.13	27.99	63.2	54.8	1.153										
60,000 - 64,999														5	4	415	396		486	495					2			13	17	4	1			19	20	508	515	508	515	30.80	22.50	77.6	77.6	1.000											
65,000 - 69,999														1	1	662	419	1	768	520					1			15	19	3	3			20	25	790	545	790	545	23.04	14.74	120.7	82.1	1.470											
70,000 - 74,999														603	285		1	697	354					1				8	7					9	8	708	362	708	362	10.97	6.52	108.1	54.5	1.983											
75,000 - 79,999														8	43				9	53								2	1					1	2	10	55	10	55	.15	1.07	1.5	8.2	.182											
80,000 - 84,999															10		1		14																	1		15			15			.24		2.2									
85,000 - 89,999																1																																							
90,000 - 94,999															1				1																																				
95,000 - 99,999																																																							
100,000 - 104,999																																																							
105,000 - 109,999																																																							
110,000 - 114,999																																																							
115,000 - 119,999																																																							
120,000 - 124,999																																																							
125,000 - 129,999																																																							
TOTAL VEHICLES WEIGHED	289	199	72	51	496	436	138	151			178	198	656	574	3204	2355	9	6					16	19	56	33	16	18						3			151	99	21	11															
TOTAL VEHICLES COUNTED	765	1659	94	60	557	657	152	199	1568	2575	221	255	737	653	3705	2915	10	8	4673	3831			21	20	64	35	27	43						6	112	104	168	109	23	15			191	124	4976	4059	6544	6634							

STATE OF IOWA

TABLE W-5

OTHER MAIN RURAL --NUMBER OF TRUCKS AND TRUCK COMBINATIONS OF EACH TYPE BY TOTAL WEIGHT
WEIGHED AT 7 WEIGHT STUDY STATIONS DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967
COMPARED TO CORRESPONDING DATA FOR 1966

GROSS OPERATING WEIGHT IN POUNDS	SINGLE-UNIT TRUCKS										TRACTOR-SEMITRAILER COMBINATIONS							TRUCK AND TRAILER COMBINATIONS							TWO-TRAILER COMBINATIONS						TOTAL ALL COMBINATIONS		TOTAL ALL TRUCKS AND COMBINATIONS		PERCENT HEAVIER THAN LOW WEIGHT INTERVAL LIMIT		VEHICLES PER 1,000 TRUCKS AND COMBINATIONS		RATIO 1967 1966																
	PANEL AND PICKUP (UNDER 1 TON)		2 AXLE 4 TIRE		2 AXLE 6 TIRE		3 AXLE		ALL SINGLE-UNIT TRUCKS PROBABLE		3 AXLE		4 AXLE		5 AXLE		6 AXLE OR MORE		ALL SEMITRAILER COMBINATIONS PROBABLE		3 AXLE		4 AXLE		5 AXLE		6 AXLE OR MORE		ALL TRUCK-TRAILER COMBINATIONS PROBABLE		5 AXLE OR LESS		6 AXLE		7 AXLE OR MORE		ALL TWO-TRAILER COMBINATIONS PROBABLE			PROBABLE		PROBABLE		PROBABLE											
	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966		1967	1966														
	UNDER 4,000	294	327	1	1		1		411	468									1		11	11	10					28	14							411	468	100.00		100.00	64.4	72.9	.883												
4,000 - 9,999	1131	1049	316	110	305	324		3	2291	2006	1							1		3	6	8	3			15	12	28	14	29	14	2320	2020	93.55	92.70	363.9	314.7	1.156																	
10,000 - 13,499	1		2	2	285	268	25	35	355	356								30	51	5	3	12	7		1	23	19	53	70	436	481	51.34	55.49	68.4	74.9	.913																			
13,500 - 19,999			1		236	225	97	128	383	411	17	19	6	16				32	58	3	4	3		3		5	11	37	69	104	153	44.50	47.99	16.3	23.8	.684																			
20,000 - 21,999					41	52	17	20	67	84	9	15	14	23	3	3		32	58	3	4	3		3		5	11	37	69	104	153	44.50	47.99	16.3	23.8	.684																			
22,000 - 23,999					30	25	7	14	42	45	12	12	31	28	26	17		87	81	1	2	3	1	1		4	6	91	87	133	132	42.87	45.61	20.8	20.5	1.014																			
24,000 - 25,999					21	11	8	12	33	27	13	8	39	33	40	48		116	126	1	2		2	1		1	6	4	122	130	155	157	40.79	43.55	24.3	24.4	.995																		
26,000 - 27,999					5	2	11	10	19	14	6	9	32	34	51	58		114	144			4		1		7		121	144	140	158	38.35	41.10	21.9	24.6	.890																			
28,000 - 29,999					1		6	7	8	8	8	9	21	28	63	48	1	1	122	122	2		1		1	1	6	2	128	124	136	132	36.16	38.64	21.3	20.5	1.039																		
30,000 - 31,999							7	5	8	6	13	8	21	16	78	45		147	99		1	1	1	2			5	2			160	110	34.02	36.59	25.1	17.1	1.467																		
32,000 - 33,999							14	17	17	20	12	10	12	18	43	49	1	89	110		1	1	1			1	2	1	92	116	109	136	31.51	34.87	17.1	21.1	.810																		
34,000 - 35,999							10	9	12	10	7	8	16	18	41	30		83	80		3	1		1		3	4	1	86	85	98	95	29.80	32.75	15.3	14.8	1.033																		
36,000 - 37,999							21	12	25	14	11	4	19	14	44	34	1	97	76			1	1	3		6	1	103	78	128	92	28.27	31.27	20.0	14.3	1.398																			
38,000 - 39,999							15	22	18	25	10	5	15	10	40	39		1	85	79		2		1	1	2	3	1	89	83	107	108	26.26	29.84	16.7	16.8	.994																		
40,000 - 44,999							26	49	31	57	9	8	37	38	72	68	2	152	165	2	1	1	1	1	1	6	4	4	2	195	229	24.58	28.15	30.5	35.6	.856																			
45,000 - 49,999							15	12	18	14		1	48	50	72	62		153	159			1				1	3	1	159	160	177	174	21.52	24.59	27.7	27.1	1.022																		
50,000 - 54,999							9		11				59	70	60	72	1	2	151	202			2			2	2	3	1	156	208	167	208	18.74	21.87	26.2	32.4	.808																	
55,000 - 59,999													42	45	91	106		172	214					1		2	2	3		177	218	177	218	16.12	18.63	27.7	33.9	.817																	
60,000 - 64,999													5	9	96	142	2	2	138	220				1	2	3	1	2	144	223	144	223	13.35	15.24	22.5	34.7	.648																		
65,000 - 69,999														1	175	201		1	237	292					6		2	2	250	295	250	295	11.09	11.76	39.2	45.9	.854																		
70,000 - 74,999													1	214	206		1	1	291	300				2		3	1	2	296	303	296	303	7.16	7.16	46.4	47.2	.983																		
75,000 - 79,999													82	79			1	111	115				1			2	1	2	1	116	117	116	117	2.52	2.44	18.1	18.2	.994																	
80,000 - 84,999													29	23			1	1	41	35						1	2	42	37	42	37	.70	.62	6.5	5.7	1.140																			
85,000 - 89,999														2	2			3	3									3	3	3	3	.04	.04	.4	.4	1.000																			
90,000 - 94,999																																																							
95,000 - 99,999																																																							
100,000 - 104,999																																																							
105,000 - 109,999																																																							
110,000 - 114,999																																																							
115,000 - 119,999																																																							
120,000 - 124,999																																																							
125,000 - 129,999																																																							
TOTAL VEHICLES WEIGHED	1426	1376	320	113	924	908	288	355			128	116	417	452	1322	1332		8	13			23	33	49	24	25	13		2			21	25	1	2																				
TOTAL VEHICLES COUNTED	1986	1962	376	132	1044	1061	343	410	3749	3565	170	175	481	619	1790	1920		11	17	2452	2731	29	41	67	25	42	20		2	138	88	33	31	2	2																				

STATE OF IOWA

TABLE W-5

ALL MAIN RURAL & URBAN --NUMBER OF TRUCKS AND TRUCK COMBINATIONS OF EACH TYPE BY TOTAL WEIGHT
WEIGHED AT 12 WEIGHT STUDY STATIONS DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967
COMPARED TO CORRESPONDING DATA FOR 1966

GROSS OPERATING WEIGHT IN POUNDS	SINGLE-UNIT TRUCKS										TRACTOR-SEMITRAILER COMBINATIONS								TRUCK AND TRAILER COMBINATIONS								TWO-TRAILER COMBINATIONS								TOTAL ALL COMBINATIONS		TOTAL ALL TRUCKS AND COMBINATIONS		PERCENT HEAVIER THAN LOW WEIGHT INTERVAL LIMIT		VEHICLES PER 1,000 TRUCKS AND COMBINATIONS		RATIO 1967 1966						
	PANEL AND PICKUP (UNDER 1 TON)		2 AXLE 4 TIRE		2 AXLE 6 TIRE		3 AXLE		ALL SINGLE-UNIT TRUCKS PROBABLE		3 AXLE		4 AXLE		5 AXLE		6 AXLE OR MORE		ALL SEMITRAILER COMBINATIONS PROBABLE		3 AXLE		4 AXLE		5 AXLE		6 AXLE OR MORE		ALL TRUCK-TRAILER COMBINATIONS PROBABLE		5 AXLE OR LESS		6 AXLE		7 AXLE OR MORE		ALL TWO-TRAILER COMBINATIONS PROBABLE		PROBABLE		PROBABLE								
	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966	1967	1966		1967	1966	1967	1966		
	UNDER 4,000	594	807	5	10		2		834	1512									1			26	19	18	5						58	27								59	27	834		1512	100.00	100.00	52.4	93.5	.560
4,000 - 9,999	2314	1953	606	251	703	780	2	5	4691	4862	1							1			4	8	13	28	9	1	2			48	28							48	32	4862	4750	94.75	90.64	298.7	302.3	.988			
10,000 - 13,999	2		9	6	631	534	44	63	757	730	2		1					4			8	15	26	17		7			45	48							131	163	895	994	59.81	55.69	56.2	61.4	.915				
13,500 - 19,999			1	1	502	462	184	229	764	831	47	59	25	29		1			86	115	9	15	26	17		7			45	48							103	143	259	306	54.18	49.54	16.2	18.9	.857				
20,000 - 21,999					102	91	38	45	156	163	28	43	47	48	5	7			93	124		4	7	8	1	3			10	19							103	143	259	306	54.18	49.54	16.2	18.9	.857				
22,000 - 23,999					90	44	18	28	120	86	29	36	77	72	69	27			205	170	1	3	6	6	2	2			12	14							217	184	337	270	52.55	47.65	21.1	16.6	1.271				
24,000 - 25,999					64	18	23	21	97	46	34	29	91	70	150	116			325	273		1	6	2	3	4		1	13	12							338	285	435	331	50.44	45.98	27.3	20.4	1.338				
26,000 - 27,999					16	4	23	27	44	36	29	29	82	85	249	170	1		429	360		2	6		3				13	2	1						443	362	487	398	47.70	43.93	30.6	24.6	1.243				
28,000 - 29,999					1	2	14	22	17	28	24	27	48	75	194	176	1	1	319	354	2	2	1	2	1	2	1		9	3	4	1					333	358	350	386	44.64	41.47	22.0	23.8	.924				
30,000 - 31,999							20	23	23	27	33	22	50	54	200	146		1	338	284		2	1	3	4	1		1	8	9	11	2					359	295	382	322	42.44	39.08	24.0	19.9	1.206				
32,000 - 33,999							23	27	26	31	31	28	45	41	128	146	2		246	274		3	3	1		2			4	8	7	4		1			258	288	284	319	40.03	37.09	17.8	19.7	.903				
34,000 - 35,999							20	37	23	43	22	25	54	49	91	113			198	239		6	2	4	1	3			4	17	4	3					207	259	230	302	38.25	35.12	14.4	18.6	.774				
36,000 - 37,999							33	24	38	28	40	16	55	42	92	92	2	1	225	192	1	1	2	3	5	1		1	12	8	1	2					238	202	276	230	36.80	33.25	17.3	14.2	1.218				
38,000 - 39,999							27	41	31	48	21	18	52	46	91	96		1	194	205		2	2	2	1	2			4	8	10	2	1				211	215	242	263	35.06	31.83	15.2	16.2	.938				
40,000 - 44,999							60	67	69	78	27	22	148	155	200	186	3	3	444	461	3	4	1	2	2	1			9	9	16	9	4	1			476	482	545	560	33.54	30.20	34.2	34.6	.988				
45,000 - 49,999							27	18	31	21	1	4	168	164	251	202			493	465				5	1			1	6	3	20	11	2	2			26	15	525	483	556	504	30.11	26.74	34.9	31.1	1.122		
50,000 - 54,999							12	3	14	4	1		155	144	288	259	3	2	526	511					5	1			2	5	28	14	3	1			36	17	564	533	578	537	26.62	23.62	36.3	33.2	1.093		
55,000 - 59,999													108	81	381	366			1	581	570							3	9	26	24	4	1			35	28	619	607	619	607	22.98	20.30	38.9	37.5	1.037			
60,000 - 64,999													16	18	527	544	2	2	656	722					1	4			7	1	15	18	4	2			22	23	685	746	685	746	19.09	16.55	43.0	46.1	.932		
65,000 - 69,999													2	3	851	653	2	1	1031	843									12	17	21	3	3				23	28	1066	871	1066	871	14.78	11.93	67.0	53.8	1.245		
70,000 - 74,999													1	850	549		1	2	1026	709									5	9	9		1				10	12	1041	721	1041	721	8.08	6.54	65.4	44.5	1.469		
75,000 - 79,999																			3	159	235					1	1		2	3	3	1					5	3	166	241	166	241	1.53	2.09	10.4	14.9	.697		
80,000 - 84,999																			1	60	89								1	2			1				1	4	61	93	61	93	.49	.59	3.8	5.7	.666		
85,000 - 89,999																			17	3																			17	3	17	3	.10	.02	1.0	.1			
90,000 - 94,999																			1	1																			1	1									
95,000 - 99,999																																																	
100,000 - 104,999																																																	
105,000 - 109,999																																																	
110,000 - 114,999																																																	
115,000 - 119,999																																																	
120,000 - 124,999																																																	
125,000 - 129,999																																																	
TOTAL VEHICLES WEIGHED	2910	2760	621	268	2109	1937	568	680			368	360	1223	1178	4812	4099	18	21									6			173	125	22	13																
TOTAL VEHICLES COUNTED	4058	5123	706	300	2318	2359	653	792	7735	8574	454	477	1373	1436	5803	5261	22	29	7652	7203	68	85	147	73	71	66		9	286	233	202	141	25	17			227	158	8165	7594	15900	16168							

CODES USED IN W-6 TABLES

<u>Vehicle Type Code</u>		<u>Class of Operation</u>			
<u>Description</u>	<u>Code</u>		<u>Code</u>		
2-axle motor truck, single rear tires	2P	Privately operated vehicle in general service. The load carried is the property of the owner of the vehicle.	1		
2-axle motor truck or bus, single rear tires	2S				
2-axle motor truck or bus, dual rear tires	2D				
3-axle motor truck or bus	3A				
4-axle (or more) motor truck or bus	4A	For hire operation under certification of the Interstate Commerce Commission, such vehicles bear a plate displaying the "MC" number of permit or certificate.	2		
2-axle tractor, 1-axle semitrailer	2S1				
2-axle tractor, 2-axle semitrailer	2S2				
3-axle tractor, 1-axle semitrailer	3S1				
3-axle tractor, 2-axle semitrailer	3S2				
2-axle tractor, 3-axle semitrailer	2S3				
3-axle tractor, 3-axle semitrailer	3S3				
4-axle tractor, 2-axle semitrailer	4S2				
2-axle truck and 1-axle balanced trailer	2-1			Other for hire: All vehicles not bearing ICC identification carrying cargo not the property of the owner of the vehicle.	3
2-axle truck, 2-axle full trailer	2-2				
2-axle truck, 3-axle full trailer	2-3				
3-axle truck, 2-axle full trailer	3-2				
3-axle truck, 3-axle full trailer	3-3				
3-axle truck, 1-axle balanced trailer	3-1				
		<u>Type of Excess</u>	<u>Code</u>		
2-axle tractor, 1-axle semitrailer, 1-axle balanced trailer	2S1-1	Single Axle	1		
2-axle tractor, 1-axle semitrailer, 2-axle full trailer	2S1-2	Gross Weight	2		
2-axle tractor, 2-axle semitrailer, 1-axle balanced trailer	2S2-1	Axle Group	3		
2-axle tractor, 2-axle semitrailer, 2-axle full trailer	2S2-2	Excess over Iowa Law is calculated from the basic legal weight plus the legal tolerance - See Appendix.			
3-axle tractor, 1-axle semitrailer, 2-axle full trailer	3S1-2				
3-axle tractor, 1-axle semitrailer, 3-axle full trailer	3S1-3				

<u>Description</u>	Body Type Codes	<u>Code</u>
<u>Light Truck</u>		
Panel Body		PNL
Pickup Body		PU
Light Utility Body		LUT
Personnel and Cargo Body		PNC
Carry All or Minibus Body		CYL
<u>General Truck and Semitrailer Bodies</u>		
Platform, Flat or Stake Body		FLT
Low-bed Trailer Body		LOB
Rack Body		RAK
Livestock Rack Body		STK
Riggers or Oil Field Body		RIG
Lumber Body		LUM
Log, or Pipe Body		LOG
Canopy Body		CNP
Express Body		EXP
Open Top Box or Van Body		BOX
Grain Body		GRN
Dump Body		DMP
Hopper Body		HOP
Van Body		VAN
Insulated Van Body		REF
Furniture or Moving Van Body		MOV
Tank Body		TNK
Petroleum Tank Body		OIL
Bituminous Material Distributor Body		DST
Bottler Body		BOT
Multistop or Standup Delivery Body		DEL
Automobile Transporter Body		AUT
Armored Car Body (not Military)		ARM
Boat Carrier Body		BTC
Concrete Mixer or Agitator Body		MIX
Wrecker Body		WRK
Utilities Body		UTL
Garbage and Refuse Body		GAR
Container Body		CON
Equipment Body		EQP
Bare Chassis		CBS
Shop Body		SHP
Dwelling Body		DWL
Truck Trailer without Semitrailer or Trailer		NTR

STATE OF IOWA

TABLE W-6 LISTING SHOWING THE TOTAL WEIGHT, AXLE LOADS, AXLE SPACINGS AND PERCENTAGE OF OVERLOAD
OF TRUCKS AND TRUCK COMBINATIONS WEIGHING IN EXCESS OF AASHO RECOMMENDATIONS OR IOWA STATE LAW WEIGHED
AT 6 WEIGHT STATIONS DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967
TABLE BASED ON 1966 AASHO RECOMMENDED LIMITS

HIGHWAY SYSTEM	VEHICLE TYPE	MAXIMUM IN EXCESS OF		TYPE OF EXCESS		CLASS OF OPERATION	COMMODITY CARRIED	BODY TYPE	STATION AT WHICH WEIGHED	TOTAL WEIGHT (POUNDS)	AXLE LOADS (100'S LBS.)							AXLE SPACINGS (FEET)						WHEEL BASE	PERCENTAGE OVER AASHO RECOMMENDATIONS							PERCENTAGE OVER STATE LAW														
		AASHO	STATE LAW	AASHO	STATE LAW						A	B	C	D	E	F	G	A-B	B-C	C-D	D-E	E-F	F-G		AXLE LOADS							GROSS WT.	MAX. AXLE GROUP			AXLE LOADS							GROSS WT.	MAX. AXLE GROUP		
																									B	C	D	E	F	G	GP.		%	B	C	D	E	F	G	GP.	%					
INTERSTATE, RURAL, FINAL LOC																																														
01	2S1-2	.	.5	1	2	41100	VAN	R	59,800	90	186	36	174	112										10.1	19.1	8.0	19.4	.	.	56.6
01	2S1-2	.	1.0	2	2	41100	VAN	S	74,000	112	162	182	142	142										9.6	19.8	9.6	12.3	.	.	51.3	1.0	.
01	2S1-2	5.0	1.4	3	3	20260	TNK	R	74,000	68	174	182	166	150										13.1	11.2	12.7	12.0	.	.	49.0														1.0	.	
01	2S1-2	26.9	23.0	2	2	00000	FLT	R	40,600	88	106	56	82	74										11.2	17.8	7.5	31.6	.	.	4.9													23.0	1.4		
01	3S1-2	2.0	8.0	3	2	41100	VAN	P	79,200	94	118	172	140	134	134									9.3	4.4	14.7	8.4	19.4	.	.	56.2														8.0	.

STATE OF IOWA

TABLE W-6 LISTING SHOWING THE TOTAL WEIGHT, AXLE LOADS, AXLE SPACINGS AND PERCENTAGE OF OVERLOAD OF TRUCKS AND TRUCK COMBINATIONS WEIGHING IN EXCESS OF AASHO RECOMMENDATIONS OR IOWA STATE LAW WEIGHED AT 1 WEIGHT STATIONS DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1,1967
TABLE BASED ON 1966 AASHO RECOMMENDED LIMITS

HIGHWAY SYSTEM	VEHICLE TYPE	MAXIMUM IN EXCESS OF		TYPE OF EXCESS	CLASS OF OPERATION	COMMODITY CARRIED	BODY TYPE	STATION WEIGHED	TOTAL WEIGHT (POUNDS)	AXLE LOADS (100'S LBS)							AXLE SPACINGS (FEET)						WHEEL BASE	PERCENTAGE OVER AASHO RECOMMENDATIONS						PERCENTAGE OVER STATE LAW								
		AASHO	STATE LAW							AXLE LOADS			AXLE SPACINGS				GROSS WT.	MAX. AXLE GROUP		AXLE LOADS					GROSS WT.	MAX. AXLE GROUP												
		A	B							C	D	E	F	G	A-B	B-C		C-D	D-E	E-F	F-G	B		C		D	E	F	G	B	C	D	E	F	G			
INTERSTATE, RURAL, PRESENT LOC																																						
31	3A	1.3	.	3	1	01392	GRN	K	38,200	58	168	156					10.5	4.3	.	.	.	.	.	14.8	.	.	.	.	.	BC	1.3	.	.	.	.	.	.	.
31	3A	1.9	.	2	2	01132	VAN	K	42,800	124	160	144					19.0	4.2	.	.	.	.	.	23.2	.	.	.	.	.	.	.	.	.	.	.	.	.
31	2S2	.	8.1	1	2	25100	MOV	K	49,000	90	200	100	100				10.8	26.2	4.0	.	.	.	.	41.0	.	.	.	.	.	.	8.1	.	.	.	.	.	.	.
31	2S2	.6	.	3	2	20260	TNK	K	56,200	60	180	144	178				12.6	19.6	4.2	.	.	.	.	36.4	.	.	.	.	.	CD	.6	.	.	.	.	.	.	.
31	2S2	1.3	.	3	2	24116	LOB	K	56,800	98	146	174	150				11.0	22.0	4.1	.	.	.	.	37.1	.	.	.	.	.	CD	1.3	.	.	.	.	.	.	.
31	2S2	6.3	3.0	3	3	20900	REF	K	60,000	76	184	160	180				12.0	21.2	4.0	.	.	.	.	37.2	.	.	.	.	.	CD	6.3	.	.	.	.	.	CD	3.0
31	2S2	9.4	6.1	3	3	20821	VAN	K	57,800	50	178	174	176				10.4	18.5	4.2	.	.	.	.	33.1	.	.	.	.	.	CD	9.4	.	.	.	.	.	CD	6.1
31	3S2	.	1.0	2	2	29116	DST	K	74,000	110	160	156	158				11.0	4.4	27.0	4.0	.	.	.	46.4	.	.	.	.	.	.	.	.	.	.	.	1.0	.	
31	3S2	.3	.	3	2	41100	VAN	K	69,800	96	144	148	184	126				14.7	4.1	21.8	4.4	.	.	.	45.0	.	.	.	.	BE	.3	.	.	.	.	.	.	.
31	3S2	.6	.	3	3	24100	LOB	K	70,200	94	142	144	144	178				9.7	4.1	33.1	5.0	.	.	.	51.9	.	.	.	.	DE	.6	.	.	.	.	.	.	.
31	3S2	.6	.1	3	2	01132	GRN	K	73,400	110	182	140	150	152				11.2	4.1	25.6	8.1	.	.	.	49.0	.	.	.	.	BC	.6	.	.	.	.	.	.	.1
31	3S2	1.3	.	3	3	01411	STK	K	69,200	64	146	158	164	160				10.4	4.1	28.5	4.0	.	.	.	47.0	.	.	.	.	DE	1.3	.	.	.	.	.	.	.
31	3S2	1.3	.	3	2	29116	DST	K	69,400	110	160	164	126	134				9.6	4.0	27.2	4.0	.	.	.	44.8	.	.	.	.	BC	1.3	.	.	.	.	.	.	.
31	3S2	1.3	.	3	1	01520	REF	K	70,800	100	162	162	158	126				10.0	4.2	26.3	4.1	.	.	.	44.6	.	.	.	.	BC	1.3	.	.	.	.	.	.	.
31	3S2	1.3	.	3	2	01510	REF	K	71,600	106	146	140	160	164				11.6	4.1	25.6	4.0	.	.	.	45.3	.	.	.	.	DE	1.3	.	.	.	.	.	.	.
31	3S2	1.3	.	3	3	20421	GRN	K	71,800	102	142	182	152	140				12.0	4.0	26.0	4.0	.	.	.	46.0	.	.	.	.	BC	1.3	.	.	.	.	.	.	.
31	3S2	1.4	.7	3	2	01132	GRN	K	73,800	104	160	160	166	148				13.0	4.4	25.6	4.0	.	.	.	47.0	.	.	.	.	BE	1.4	.	.	.	.	.	.	.7
31	3S2	1.5	2.8	3	3	37112	FLT	K	68,600	92	132	146	156	160				10.7	4.2	19.5	4.2	.	.	.	38.6	.	.	.	.	BE	1.5	.	.	.	.	.	BE	2.8
31	3S2	1.6	.	3	2	20100	REF	K	72,600	96	170	148	160	152				12.7	4.5	24.8	4.0	.	.	.	46.0	.	.	.	.	BE	1.6	.	.	.	.	.	.	.
31	3S2	1.9	.	3	2	41100	VAN	K	72,800	104	148	150	160	166				9.8	4.2	26.1	4.5	.	.	.	44.6	.	.	.	.	DE	1.9	.	.	.	.	.	.	.
31	3S2	1.9	.	3	2	20110	REF	K	73,000	98	166	160	156	150				10.6	4.1	26.5	4.0	.	.	.	45.2	.	.	.	.	BC	1.9	.	.	.	.	.	.	.
31	3S2	2.1	2.3	3	2	01132	GRN	K	75,000	112	164	156	162	156				10.5	4.3	25.7	4.0	.	.	.	44.5	.	.	.	.	BE	2.1	.	.	.	.	.	.	2.3
31	3S2	2.5	.	3	2	01132	GRN	K	72,200	118	176	152	152	124				12.2	4.2	26.2	4.0	.	.	.	46.6	.	.	.	.	BC	2.5	.	.	.	.	.	.	.
31	3S2	2.5	.	3	2	20110	REF	K	72,800	106	166	128	176	152				9.6	4.0	27.2	4.0	.	.	.	44.8	.	.	.	.	DE	2.5	.	.	.	.	.	.	.
31	3S2	2.5	2.0	3	2	01132	VAN	K	74,800	110	160	150	170	158				10.5	4.2	25.7	4.0	.	.	.	44.4	.	.	.	.	DE	2.5	.	.	.	.	.	.	2.0
31	3S2	3.1	.	3	3	29117	OIL	K	71,600	100	164	166	150	136				10.2	4.2	27.0	4.4	.	.	.	45.8	.	.	.	.	BC	3.1	.	.	.	.	.	.	.
31	3S2	3.1	.	3	2	01132	GRN	K	73,200	104	166	164	150	148				11.0	4.2	26.2	4.1	.	.	.	45.5	.	.	.	.	BC	3.1	.	.	.	.	.	.	.
31	3S2	3.1	8.1	3	1	01132	GRN	K	72,400	102	200	130	162	130				12.4	4.4	26.4	4.1	.	.	.	47.3	.	.	.	.	BC	3.1	8.1	.	.	.	.	.	.
31	3S2	3.2	4.2	3	2	41100	VAN	K	76,400	116	146	174	160	168				9.5	4.1	27.6	4.2	.	.	.	45.4	.	.	.	.	DE	2.5	.	.	.	.	.	.	4.2
31	3S2	3.4	5.7	3	3	41100	VAN	K	74,800	156	164	140	138	150				9.9	4.1	27.6	4.0	.	.	.	45.6	.	.	.	.	AC	3.4	.	.	.	.	.	AC	5.7
31	3S2	3.5	4.5	2	2	01132	GRN	K	76,600	120	160	164	164	162				10.8	4.2	26.7	4.3	.	.	.	46.0	.	.	.	.	DE	1.9	.	.	.	.	.	.	4.5
31	3S2	3.8	.6	3	3	01411	STK	K	68,200	94	168	164	118	138				11.2	4.0	29.8	4.0	.	.	.	49.0	.	.	.	.	BC	3.8	.	.	.	.	.	.	.6
31	3S2	3.8	.6	3	3	41100	VAN	K	71,400	112	140	130	172	160				11.0	4.2	26.2	4.0	.	.	.	45.4	.	.	.	.	DE	3.8	.	.	.	.	.	.	.6
31	3S2	3.8	.7	3	2	29117	VAN	K	73,800	104	150	152	174	158				12.4	4.0	25.8	4.1	.	.	.	46.3	.	.	.	.	DE	3.8	.	.	.	.	.	.	.7
31	3S2	4.1	5.0	2	2	01132	REF	K	77,000	122	162	160	160	166				10.3	4.2	26.5	4.0	.	.	.	45.0	.	.	.	.	DE	2.0	.	.	.	.	.	.	5.0
31	3S2	4.4	1.2	3	3	20410	REF	K	67,200	98	182	152	120	120				10.3	4.3	26.6	4.0	.	.	.	45.2	.	.	.	.	BC	4.4	.	.	.	.	.	.	1.2
31	3S2	4.4	1.2	3	3	41100	VAN	K	70,200	104	130	134	160	174				9.5	4.3	25.1	4.3	.	.	.	43.2	.	.	.	.	DE	4.4	.	.	.	.	.	.	1.2
31	3S2	4.4	1.2	3	3	28410	VAN	K	72,000	90	170	164	120	176				11.0	4.0	26.8	4.0	.	.	.	45.8	.	.	.	.	BC	4.4	.	.	.	.	.	.	1.2
31	3S2	4.4	1.2	3	3	01132	GRN	K	73,400	100	162	138	160	174				10.6	4.3	25.1	4.0	.	.	.	44.0	.	.	.	.	DE	4.4	.	.	.	.	.	.	.1
31	3S2	4.4	1.5	3	2	32740	TNK	K	74,400	96	180	154	156	158				11.2	4.4	27.4	4.0	.	.	.	47.0	.	.	.	.	BC	4.4	.	.	.	.	.	.	1.5
31	3S2	4.4	1.8	3	2	32740	TNK	K	74,600	80	170	164	166	166				10.8	4.4	28.4	4.2	.	.	.	47.8	.	.	.	.	BC	4.4	.	.	.	.	.	.	1.8
31	3S2	4.6	5.6	2</																																		

STATE OF IOWA

TABLE W-7 FINAL INTERSTATE RURAL--NUMBER AND ACCUMULATIVE PERCENTAGE OF VEHICLES NOT IN EXCESS AND IN EXCESS BY SPECIFIED PERCENTAGES OF IOWA STATE LAW AND AASHO RECOMMENDATIONS WEIGHED AT 3 STATIONS DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

VEHICLE TYPE	NUMBER OR PERCENT	YEAR	NUMBER WEIGHED	AASHO RECOMMENDATIONS										IOWA LAW									
				NOT IN EXCESS	ALL IN EXCESS	EXCESS BY PERCENT OR MORE					NOT IN EXCESS	ALL IN EXCESS	EXCESS BY PERCENT OR MORE										
						5	10	20	30	50			5	10	20	30	50						
SINGLE-UNIT TRUCKS PANEL AND PICKUP UNDER 1 TON	NUMBER	1967	289	289								289											
		1966	199	199								199											
	PERCENT	1967	100.00	100.00								100.00											
		1966	100.00	100.00								100.00											
2-AXLE, 4 TIRE	NUMBER	1967	72	72							72												
		1966	51	51							51												
	PERCENT	1967	100.00	100.00							100.00												
		1966	100.00	100.00							100.00												
2-AXLE, 6 TIRE	NUMBER	1967	496	495	1						491	5	2										
		1966	436	436							435	1	1										
	PERCENT	1967	100.00	99.80	.20						98.99	1.01	.40										
		1966	100.00	100.00							99.77	.23	.23										
3-AXLE	NUMBER	1967	138	126	12	6	1				136	2											
		1966	151	144	7	3	2				150	1											
	PERCENT	1967	100.00	91.30	8.70	4.35	.72				98.55	1.45											
		1966	100.00	95.36	4.64	1.99	1.32				99.34	.66	.66										
TRACTOR - SEMITRAILER COMBINATIONS 3-AXLE	NUMBER	1967	178	178							175	3	1										
		1966	198	198							197	1											
	PERCENT	1967	100.00	100.00							98.31	1.69	.56										
		1966	100.00	100.00							99.49	.51	.56										
4-AXLE	NUMBER	1967	656	643	13	5	3	1			629	27	11	3	1								
		1966	574	560	14	9	2				554	20	8										
	PERCENT	1967	100.00	98.02	1.98	.76	.46	.15			95.88	4.12	1.68	.46	.15								
		1966	100.00	97.56	2.44	1.57	.35				96.52	3.48	1.39										
5-AXLE	NUMBER	1967	3,204	2,816	388	71	23	3	1		2,987	217	84	45	1								
		1966	2,355	2,050	305	120	43	10	2		2,154	201	71	32	4							1	
	PERCENT	1967	100.00	87.89	12.11	2.22	.72	.09	.03		93.23	6.77	2.62	1.40	.03								
		1966	100.00	87.05	12.95	5.10	1.83	.42	.08		91.46	8.54	3.01	1.36	.17							.04	
6-AXLE OR MORE	NUMBER	1967	9	9							9												
		1966	6	4	2	2	2	1			4	2											
	PERCENT	1967	100.00	100.00							100.00												
		1966	100.00	66.67	33.33	33.33	33.33	16.67			66.67	33.33	33.33	16.67	16.67								
TRUCK AND TRAILER COMBINATIONS 3-AXLE	NUMBER	1967	16	16							16												
		1966	19	19							19												
	PERCENT	1967	100.00	100.00							100.00												
		1966	100.00	100.00							100.00												
4-AXLE	NUMBER	1967	56	55	1						56												
		1966	33	33							33												
	PERCENT	1967	100.00	98.21	1.79						100.00												
		1966	100.00	100.00							100.00												
5-AXLE	NUMBER	1967	16	15	1						16												
		1966	18	18							18												
	PERCENT	1967	100.00	93.75	6.25						100.00												
		1966	100.00	100.00							100.00												
6-AXLE OR MORE	NUMBER	1967	3	3							3												
		1966																					
	PERCENT	1967	100.00	100.00							100.00												
		1966	100.00	100.00							100.00												
TWO-TRAILER COMBINATIONS 5-AXLE OR LESS	NUMBER	1967	151	151							148	3											
		1966	99	99							96	3											
	PERCENT	1967	100.00	100.00							98.01	1.99											
		1966	100.00	100.00							96.97	3.03											
6-AXLE	NUMBER	1967	21	20	1						20	1	1										
		1966	11	10	1	1	1				10	1	1		1								
	PERCENT	1967	100.00	95.24	4.76						95.24	4.76	4.76		9.09								
		1966	100.00	90.91	9.09	9.09	9.09				90.91	9.09	9.09		9.09								
7-AXLE OR MORE	NUMBER	1967																					
		1966																					
	PERCENT	1967																					
		1966																					
TOTAL	NUMBER	1967	5,302	4,885	417	82	27	4	1		5,044	258	99	48	2								
		1966	4,153	3,824	329	135	50	11	2		3,923	230	84	34	5								
	PERCENT	1967	100.00	92.14	7.86	1.55	.51	.03	.02		95.13	4.87	1.87	.91	.04								
		1966	100.00	92.08	7.92	3.25	1.20	.26	.05		94.46	5.54	2.02	.82	.12								

STATE OF IOWA

TABLE W-7 OTHER MAIN RURAL—NUMBER AND ACCUMULATIVE PERCENTAGE OF VEHICLES NOT IN EXCESS AND IN EXCESS BY SPECIFIED PERCENTAGES OF IOWA STATE LAW AND AASHO RECOMMENDATIONS WEIGHED AT 7 STATIONS DURING THE PERIOD FROM JULY 6 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

VEHICLE TYPE	NUMBER OR PERCENT	YEAR	NUMBER WEIGHED	AASHO RECOMMENDATIONS										IOWA LAW						
				NOT IN EXCESS	ALL IN EXCESS	EXCESS BY PERCENT OR MORE					NOT IN EXCESS	ALL IN EXCESS	EXCESS BY PERCENT OR MORE							
						5	10	20	30	50			5	10	20	30	50			
SINGLE-UNIT TRUCKS PANEL AND PICKUP UNDER 1 TON	NUMBER	1967	1,426	1,426								1,426								
		1966	1,376	1,376								1,376								
	PERCENT	1967	100.00	100.00								100.00								
		1966	100.00	100.00								100.00								
2-AXLE, 4 TIRE	NUMBER	1967	320	320							320									
		1966	113	113							113									
	PERCENT	1967	100.00	100.00							100.00									
		1966	100.00	100.00							100.00									
2-AXLE, 6 TIRE	NUMBER	1967	924	924							921	3	2							
		1966	908	908							906	2	1							
	PERCENT	1967	100.00	100.00							99.68	.32	.22							
		1966	100.00	100.00							99.78	.22	.11							
3-AXLE	NUMBER	1967	288	251	37	28	20	9			270	18	12	9	1					
		1966	355	330	25	19	10	1			344	11	5	3						
	PERCENT	1967	100.00	87.15	12.85	9.72	6.94	3.13			93.75	6.25	4.17	3.13	.35					
		1966	100.00	92.96	7.04	5.35	2.82	.28			96.90	3.10	1.41	.85						
TRACTOR - SEMITRAILER COMBINATIONS 3-AXLE	NUMBER	1967	128	128							128									
		1966	116	116							114	2								
	PERCENT	1967	100.00	100.00							100.00									
		1966	100.00	100.00							98.28	1.72								
4-AXLE	NUMBER	1967	417	398	19	5	1				389	28	9	1						
		1966	452	429	23	11	8				419	33	14	4						
	PERCENT	1967	100.00	95.44	4.56	1.20	.24				93.29	6.71	2.16	.24						
		1966	100.00	94.91	5.09	2.43	1.77				92.70	7.30	3.10	.88						
5-AXLE	NUMBER	1967	1,322	1,043	279	153	76	12	2		1,104	218	136	56	6	3	1			
		1966	1,332	1,066	266	159	88	19	6		1,112	220	127	61	16	3				
	PERCENT	1967	100.00	78.90	21.10	11.57	5.75	.91	.15		83.51	16.49	10.29	4.24	.45	.23	.09			
		1966	100.00	80.03	19.97	11.94	6.61	1.43	.45		83.48	16.52	9.53	4.58	1.20	.23				
6-AXLE OR MORE	NUMBER	1967	8	6	2	2	2				6	2	2	1						
		1966	13	8	5	4	2	2			11	2	2	2						
	PERCENT	1967	100.00	75.00	25.00	25.00	25.00				75.00	25.00	25.00	12.50						
		1966	100.00	61.54	38.46	30.77	15.38				84.62	15.38	15.38	15.38						
TRUCK AND TRAILER COMBINATIONS 3-AXLE	NUMBER	1967	23	23							23									
		1966	33	33							33									
	PERCENT	1967	100.00	100.00							100.00									
		1966	100.00	100.00							100.00									
4-AXLE	NUMBER	1967	49	49							49									
		1966	24	24							22	2	1							
	PERCENT	1967	100.00	100.00							100.00									
		1966	100.00	100.00							91.67	8.33	4.17							
5-AXLE	NUMBER	1967	25	21	4	1	1	1			22	3	3	1	1					
		1966	13	13							13									
	PERCENT	1967	100.00	84.00	16.00	4.00	4.00	4.00			88.00	12.00	12.00	4.00	4.00					
		1966	100.00	100.00							100.00									
6-AXLE OR MORE	NUMBER	1967	2	1	1	1	1	1			1	1	1	1						
		1966	1	1							1									
	PERCENT	1967	100.00	50.00	50.00	50.00	50.00	50.00			50.00	50.00	50.00	50.00						
		1966	100.00	100.00							100.00									
TWO-TRAILER COMBINATIONS 5-AXLE OR LESS	NUMBER	1967	21	20	1	1					18	3	2	1						
		1966	25	23	2	2	1				22	3	2	2						
	PERCENT	1967	100.00	95.24	4.76	4.76					85.71	14.29	9.52	4.76						
		1966	100.00	92.00	8.00	8.00	4.00				88.00	12.00	8.00	8.00						
6-AXLE	NUMBER	1967	1	1							1									
		1966	2	2							2									
	PERCENT	1967	100.00	100.00							100.00									
		1966	100.00	100.00							100.00									
7-AXLE OR MORE	NUMBER	1967																		
		1966																		
	PERCENT	1967																		
		1966																		
TOTAL	NUMBER	1967	4,952	4,610	342	190	100	22	2		4,677	275	166	69	8	3	1			
		1966	4,764	4,442	322	196	110	23	6		4,488	276	153	73	16	3				
	PERCENT	1967	100.00	93.09	6.91	3.84	2.02	.44	.04		94.45	5.55	3.35	1.39	.16	.06	.02			
		1966	100.00	93.24	6.76	4.11	2.31	.48	.13		94.21	5.79	3.21	1.53	.34	.06				

STATE OF IOWA

TABLE W-7 ALL MAIN RURAL--NUMBER AND ACCUMULATIVE PERCENTAGE OF VEHICLES NOT IN EXCESS AND IN EXCESS BY SPECIFIED PERCENTAGES OF IOWA STATE LAW AND AASHO RECOMMENDATIONS WEIGHED AT 10 STATIONS DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

VEHICLE TYPE	NUMBER OR PERCENT	YEAR	NUMBER WEIGHED	AASHO RECOMMENDATIONS						IOWA LAW		EXCESS BY PERCENT OR MORE								
				NOT IN EXCESS	ALL IN EXCESS	EXCESS BY PERCENT OR MORE					NOT IN EXCESS	ALL IN EXCESS	5	10	20	30	50			
						5	10	20	30	50										
SINGLE-UNIT TRUCKS PANEL AND PICKUP UNDER 1 TON	NUMBER	1967	1,715	1,715							1,715									
		1966	1,575	1,575							1,575									
	PERCENT	1967	100.00	100.00							100.00									
		1966	100.00	100.00							100.00									
2-AXLE, 4 TIRE	NUMBER	1967	392	392							392									
		1966	164	164							164									
	PERCENT	1967	100.00	100.00							100.00									
		1966	100.00	100.00							100.00									
2-AXLE, 6 TIRE	NUMBER	1967	1,420	1,419	1						1,412	8	4							
		1966	1,344	1,344							1,341	3	2							
	PERCENT	1967	100.00	99.93	.07						99.44	.56	.28							
		1966	100.00	100.00							99.78	.22	.15							
3-AXLE	NUMBER	1967	426	377	49	34	21	9			406	20	12	9	1					
		1966	506	474	32	22	12	1			494	12	6	3						
	PERCENT	1967	100.00	88.50	11.50	7.98	4.93	2.11			95.31	4.69	2.82	2.11	.23					
		1966	100.00	93.68	6.32	4.35	2.37	.20			97.63	2.37	1.19	.59						
TRACTOR - SEMITRAILER COMBINATIONS 3-AXLE	NUMBER	1967	306	306							303	3	1							
		1966	314	314							311	3								
	PERCENT	1967	100.00	100.00							99.02	.98	.33							
		1966	100.00	100.00							99.04	.96								
4-AXLE	NUMBER	1967	1,073	1,041	32	10	4	1			1,018	55	20	4	1					
		1966	1,026	989	37	20	10				973	53	22	4						
	PERCENT	1967	100.00	97.02	2.98	.93	.37	.09			94.87	5.13	1.86	.37	.09					
		1966	100.00	96.39	3.61	1.95	.97				94.83	5.17	2.14	.39						
5-AXLE	NUMBER	1967	4,526	3,859	667	224	99	15	3		4,091	435	220	101	7	3			1	
		1966	3,687	3,116	571	279	131	29	8		3,266	421	198	93	20	4				
	PERCENT	1967	100.00	85.26	14.74	4.95	2.19	.33	.07		90.39	9.61	4.86	2.23	.15	.07				.02
		1966	100.00	84.51	15.49	7.57	3.55	.79	.22		88.58	11.42	5.37	2.52	.54	.11				
6-AXLE OR MORE	NUMBER	1967	17	15	2	2	2				15	2	2	1						
		1966	19	12	7	6	4	3			15	4	4	3	1					
	PERCENT	1967	100.00	88.24	11.76	11.76	11.76				88.24	11.76	11.76	5.88						
		1966	100.00	63.16	36.84	31.58	21.05	15.79			78.95	21.05	21.05	15.79	5.26					
TRUCK AND TRAILER COMBINATIONS 3-AXLE	NUMBER	1967	39	39							39									
		1966	52	52							52									
	PERCENT	1967	100.00	100.00							100.00									
		1966	100.00	100.00							100.00									
4-AXLE	NUMBER	1967	105	104	1						105									
		1966	57	57							55	2	1							
	PERCENT	1967	100.00	99.05	.95						100.00									
		1966	100.00	100.00							96.49	3.51	1.75							
5-AXLE	NUMBER	1967	41	36	5	1	1	1			38	3	3	1	1					
		1966	31	31							31									
	PERCENT	1967	100.00	87.80	12.20	2.44	2.44	2.44			92.68	7.32	7.32	2.44	2.44					
		1966	100.00	100.00							100.00									
6-AXLE OR MORE	NUMBER	1967	5	4	1	1	1				4	1	1	1						
		1966																		
	PERCENT	1967	100.00	80.00	20.00	20.00	20.00	20.00			80.00	20.00	20.00	20.00						
		1966																		
TWO-TRAILER COMBINATIONS 5-AXLE OR LESS	NUMBER	1967	172	171	1	1					166	6	2	1						
		1966	124	122	2	2					118	6	2	2						
	PERCENT	1967	100.00	99.42	.58	.58					96.51	3.49	1.16	.58						
		1966	100.00	98.39	1.61	1.61	.81				95.16	4.84	1.61	1.61						
6-AXLE	NUMBER	1967	22	21	1						21	1	1							
		1966	13	12	1	1	1				12	1	1	1						
	PERCENT	1967	100.00	95.45	4.55	7.69	7.69				95.45	4.55	4.55	7.69						
		1966	100.00	92.31	7.69	7.69	7.69				92.31	7.69	7.69	7.69						
7-AXLE OR MORE	NUMBER	1967																		
		1966																		
	PERCENT	1967																		
		1966																		
TOTAL	NUMBER	1967	10,254	9,495	759	272	127	26	3		9,721	533	265	117	10	3			1	
		1966	8,917	8,266	651	331	160	34	8		8,411	506	237	107	21	4				
	PERCENT	1967	100.00	92.60	7.40	2.65	1.24	.25	.03		94.80	5.20	2.58	1.14	.10	.03				.01
		1966	100.00	92.70	7.30	3.71	1.79	.38	.09		94.33	5.67	2.66	1.20	.24	.04				

1/ IOWA LEGAL LIMIT WEIGHT LAWS DESCRIBED IN APPENDIX A

STATE OF IOWA

TABLE W-7

OTHER URBAN-- NUMBER AND ACCUMULATIVE PERCENTAGE OF VEHICLES NOT IN EXCESS AND IN EXCESS BY SPECIFIED PERCENTAGES OF IOWA STATE LAW AND AASHO RECOMMENDATIONS WEIGHED AT 2 STATIONS DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

VEHICLE TYPE	NUMBER OR PERCENT	YEAR	NUMBER WEIGHED	AASHO RECOMMENDATIONS							IOWA LAW						
				NOT IN EXCESS	ALL IN EXCESS	EXCESS BY PERCENT OR MORE					NOT IN EXCESS	ALL IN EXCESS	EXCESS BY PERCENT OR MORE				
						5	10	20	30	50			5	10	20	30	50
SINGLE-UNIT TRUCKS PANEL AND PICKUP UNDER 1 TON	NUMBER	1967	1,195	1,195							1,195						
		1966	1,185	1,185							1,185						
	PERCENT	1967	100.00	100.00							100.00						
		1966	100.00	100.00							100.00						
2-AXLE, 4 TIRE	NUMBER	1967	229	229							229						
		1966	104	104							104						
	PERCENT	1967	100.00	100.00							100.00						
		1966	100.00	100.00							100.00						
2-AXLE, 6 TIRE	NUMBER	1967	689	689							688	1					
		1966	593	593							593						
	PERCENT	1967	100.00	100.00							99.85	.15					
		1966	100.00	100.00							100.00						
3-AXLE	NUMBER	1967	142	118	24	16	12	3			131	11	4	3	1		
		1966	174	166	8	6	5				171	3					
	PERCENT	1967	100.00	83.10	16.90	11.27	8.45	2.11			92.25	7.75	2.82	2.11	.70		
		1966	100.00	95.40	4.60	3.45	2.87				98.28	1.72					
TRACTOR - SEMITRAILER COMBINATIONS 3-AXLE	NUMBER	1967	62	61	1	1					59	3	1	1			
		1966	46	45	1						44	2	1	1			
	PERCENT	1967	100.00	98.39	1.61	1.61					95.16	4.84	1.61	1.61	1.61		
		1966	100.00	97.83	2.17						95.65	4.35	2.17	2.17			
4-AXLE	NUMBER	1967	150	143	7	2					142	8	5	3			
		1966	152	141	11	5	3	1			129	23	5	1	1		
	PERCENT	1967	100.00	95.33	4.67	1.33					94.67	5.33	3.33	2.00			
		1966	100.00	92.76	7.24	3.29	1.97	.66			84.87	15.13	3.29	.66	.66		
5-AXLE	NUMBER	1967	286	186	100	83	52	13			192	94	71	36	5		
		1966	412	275	137	110	61	3			281	131	89	41	1		
	PERCENT	1967	100.00	65.03	34.97	29.02	18.18	4.55			67.13	32.87	24.83	12.59	1.75		
		1966	100.00	66.75	33.25	26.70	14.81	.73			68.20	31.80	21.60	9.95	.24		
6-AXLE OR MORE	NUMBER	1967	1	1							1						
		1966	2		2	2	2	2				2	2	2			
	PERCENT	1967	100.00	100.00							100.00						
		1966	100.00		100.00	100.00	100.00	100.00				100.00	100.00	100.00	100.00		
TRUCK AND TRAILER COMBINATIONS 3-AXLE	NUMBER	1967	11	11							11						
		1966	23	23							23						
	PERCENT	1967	100.00	100.00							100.00						
		1966	100.00	100.00							100.00						
4-AXLE	NUMBER	1967	11	11							11						
		1966	13	13							13						
	PERCENT	1967	100.00	100.00							100.00						
		1966	100.00	100.00							100.00						
5-AXLE	NUMBER	1967	1	1							1						
		1966	3	2	1	1	1				2	1	1	1			
	PERCENT	1967	100.00	100.00							100.00						
		1966	100.00	66.67	33.33	33.33	33.33				66.67	33.33	33.33	33.33			
6-AXLE OR MORE	NUMBER	1967	1	1							1						
		1966															
	PERCENT	1967	100.00	100.00							100.00						
		1966															
TWO-TRAILER COMBINATIONS 5-AXLE OR LESS	NUMBER	1967	1	1	1	1	1				1	1	1				
		1966	1	1													
	PERCENT	1967	100.00	100.00	100.00	100.00	100.00				100.00	100.00	100.00				
		1966	100.00	100.00													
6-AXLE	NUMBER	1967															
		1966															
	PERCENT	1967															
		1966															
7-AXLE OR MORE	NUMBER	1967															
		1966															
	PERCENT	1967															
		1966															
TOTAL	NUMBER	1967	2,778	2,645	133	103	66	16			2,660	118	82	43	7		
		1966	2,709	2,549	160	124	72	6			2,547	162	98	46	2		
	PERCENT	1967	100.00	95.21	4.79	3.71	2.38	.58			95.75	4.25	2.95	1.55	.25		
		1966	100.00	94.09	5.91	4.58	2.66	.22			94.02	5.98	3.62	1.70	.07		

STATE OF IOWA

TABLE W-7 ALL MAN RURAL & URBAN—NUMBER AND ACCUMULATIVE PERCENTAGE OF VEHICLES NOT IN EXCESS AND IN EXCESS BY SPECIFIED PERCENTAGES OF IOWA STATE LAW AND AASHO RECOMMENDATIONS WEIGHED AT 12 STATIONS DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966

VEHICLE TYPE	NUMBER OR PERCENT	YEAR	NUMBER WEIGHED	AASHO RECOMMENDATIONS										IOWA LAW							
				NOT IN EXCESS	ALL IN EXCESS	EXCESS BY PERCENT OR MORE					NOT IN EXCESS	ALL IN EXCESS	EXCESS BY PERCENT OR MORE								
						5	10	20	30	50			5	10	20	30	50				
SINGLE-UNIT TRUCKS PANEL AND PICKUP UNDER 1 TON	NUMBER	1967	2,910	2,910								2,910									
		1966	2,760	2,760								2,760									
	PERCENT	1967	100.00	100.00								100.00									
		1966	100.00	100.00								100.00									
2-AXLE, 4 TIRE	NUMBER	1967	621	621								621									
		1966	268	268								268									
	PERCENT	1967	100.00	100.00								100.00									
		1966	100.00	100.00								100.00									
2-AXLE, 6 TIRE	NUMBER	1967	2,109	2,108	1							2,100	9	4							
		1966	1,937	1,934								1,934	3	2							
	PERCENT	1967	100.00	99.95	.05							99.57	.43	.19							
		1966	100.00	100.00								99.85	.15	.10							
3-AXLE	NUMBER	1967	568	495	73	50	33	12				537	31	16	12		2				
		1966	680	640	40	28	17	1				665	15	6	3						
	PERCENT	1967	100.00	87.15	12.85	8.80	5.81	2.11				94.54	5.46	2.82	2.11		.35				
		1966	100.00	94.12	5.88	4.12	2.50	.15				97.79	2.21	.88	.44						
TRACTOR - SEMITRAILER COMBINATIONS 3-AXLE	NUMBER	1967	368	367	1	1	1					362	6	2	1		1				
		1966	360	359	1							355	5	1	1						
	PERCENT	1967	100.00	99.73	.27	.27	.27					98.37	1.63	.54	.27		.27				
		1966	100.00	99.72	.28							98.61	1.39	.28	.28						
4-AXLE	NUMBER	1967	1,223	1,184	39	12	4	1				1,160	63	25	7		1				
		1966	1,178	1,130	48	25	13	1				1,102	76	27	5		1				
	PERCENT	1967	100.00	96.81	3.19	.98	.33	.08				94.85	5.15	2.04	.57		.08				
		1966	100.00	95.93	4.07	2.12	1.10	.08				93.55	6.45	2.29	.42		.08				
5-AXLE	NUMBER	1967	4,812	4,045	767	307	151	28	3			4,283	529	291	137	12			3	1	
		1966	4,099	3,391	708	389	192	32	8			3,547	552	287	134	21			4		
	PERCENT	1967	100.00	84.06	15.94	6.38	3.14	.58	.06			89.01	10.99	6.05	2.85	.25			.06	.02	
		1966	100.00	82.73	17.27	9.49	4.68	.78	.20			86.53	13.47	7.00	3.27	.51			.10		
6-AXLE OR MORE	NUMBER	1967	18	16	2	2	2					16	2	2	1						
		1966	21	12	9	8	6					15	6	5							
	PERCENT	1967	100.00	88.89	11.11	11.11	11.11					88.89	11.11	11.11	5.56		1				
		1966	100.00	57.14	42.86	38.10	28.57	23.81				71.43	28.57	23.81	4.76						
TRUCK AND TRAILER COMBINATIONS 3-AXLE	NUMBER	1967	50	50								50									
		1966	75	75								75									
	PERCENT	1967	100.00	100.00								100.00									
		1966	100.00	100.00								100.00									
4-AXLE	NUMBER	1967	116	115	1							116									
		1966	70	70								68	2	1							
	PERCENT	1967	100.00	99.14	.86							100.00									
		1966	100.00	100.00								97.14	2.86	1.43							
5-AXLE	NUMBER	1967	42	37	5	1	1	1				39	3	3	1		1				
		1966	34	33	1	1	1					33	1	1	1						
	PERCENT	1967	100.00	88.10	11.90	2.38	2.38	2.38				92.86	7.14	7.14	2.38		2.38				
		1966	100.00	97.06	2.94	2.94	2.94					97.06	2.94	2.94	2.94						
6-AXLE OR MORE	NUMBER	1967	6	5	1	1	1	1				5	1	1	1						
		1966																			
	PERCENT	1967	100.00	83.33	16.67	16.67	16.67	16.67				83.33	16.67	16.67	16.67						
		1966																			
TWO-TRAILER COMBINATIONS 5-AXLE OR LESS	NUMBER	1967	173	171	2	2	1					166	7	3	1						
		1966	125	123	2	2	1					119	6	2	2						
	PERCENT	1967	100.00	98.84	1.16	1.16	.58					95.95	4.05	1.73	.58						
		1966	100.00	98.40	1.60	1.60	.80					95.20	4.80	1.60	1.60						
6-AXLE	NUMBER	1967	22	21	1							21	1	1							
		1966	13	12	1	1	1					12	1	1	1						
	PERCENT	1967	100.00	95.45	4.55							95.45	4.55	4.55							
		1966	100.00	92.31	7.69	7.69	7.69					92.31	7.69	7.69	7.69						
7-AXLE OR MORE	NUMBER	1967																			
		1966																			
	PERCENT	1967																			
		1966																			
TOTAL	NUMBER	1967	13,032	12,140	892	375	193	42	3			12,381	651	347	160	17		3	1		
		1966	11,626	10,815	811	455	232	40	8			10,958	668	335	153	23		4			
	PERCENT	1967	100.00	93.16	6.84	2.88	1.48	.32	.02			95.00	5.00	2.66	1.23	.13		.02	.01		
		1966	100.00	93.02	6.98	3.91	2.00	.34	.07			94.25	5.75	2.88	1.32	.20		.03			

APPENDIX

IOWA STATE HIGHWAY COMMISSION
AMES, IOWA
LEGAL WEIGHTS AND DIMENSIONS OF VEHICLES
WHICH MAY OPERATE ON IOWA HIGHWAYS

Following are statements of the maximum weights and dimensions of vehicles which may operate on Iowa Highways under provision of Chapter 321.

- (a) Length - Single Vehicle - thirty-five (35) feet (Sec. 321.457)
- (b) Length - Tractor-truck semitrailer combination - fifty-five (55) feet
Combination of vehicles used exclusively for the transportation of
vehicles and boats - sixty (60) feet
Combination of three (3) vehicles coupled together, one of which is
a motor vehicle - sixty (60) feet (Sec. 321.457)
- (c) Length - Passenger bus with three axles - forty (40) feet
(Two axle bus - thirty-five (35) feet (Sec. 321.457)
- (d) Height - Thirteen feet six inches (13' 6") (Sec. 321.456)
- (e) Width - Eight feet (8) (Sec. 321.454)
- (f) Axle - The gross weight of any one axle of a vehicle or combination of vehicles shall
not exceed eighteen thousand (18,000) pounds if equipped with pneumatic tires
and fourteen thousand (14,000) pounds if equipped with solid rubber tires
(Sec. 321.463)
- (g) Gross
Weight - The total gross weight of a vehicle or combination of vehicles or on a group
of any two or more consecutive axles on such vehicles shall not "be in excess
the value (in pounds) given in the following table corresponding to the
distance in feet between the extreme axles of the group, measured longitudinally
to the nearest foot, of fraction thereof." (Sec. 321.463)

A tolerance above the maximum legal weight of any axle or vehicle or combination of vehicles may be allowed as follows:

- (a) Three percent on any axle, including tandem axles
- (b) Eight percent of the gross weight on any particular group of axles
- (c) Eight percent on the total gross weight of a vehicle or combination
of vehicles

(Iowa State Highway Commission)
 (Legal Weights & Dimensions - Vehicles)

In no event shall the maximum gross weight, including tolerances, exceed seventy-three thousand two hundred and eighty pounds (73,280).

<u>Axle Spacing or Wheelbase</u>	<u>Maximum Load</u>	<u>Axle Spacing or Wheelbase</u>	<u>Maximum Load</u>
4 Feet	32,000 Pounds	26 Feet	51,681 Pounds
5 "	32,000 "	27 "	52,594 "
6 "	32,000 "	28 "	53,497 "
7 "	32,000 "	29 "	54,390 "
8 "	32,610 "	30 "	55,260 "
9 "	33,580 "	31 "	56,282 "
10 "	34,930 "	32 "	57,304 "
11 "	36,235 "	33 "	58,326 "
12 "	38,293 "	34 "	59,348 "
13 "	39,291 "	35 "	60,370 "
14 "	40,278 "	36 "	61,392 "
15 "	41,265 "	37 "	62,414 "
16 "	42,241 "	38 "	63,436 "
17 "	43,218 "	39 "	64,458 "
18 "	44,184 "	40 "	65,480 "
19 "	45,139 "	41 "	66,502 "
20 "	46,095 "	42 "	67,524 "
21 "	47,040 "	43 "	68,546 "
22 "	47,985 "	44 "	69,568 "
23 "	48,919 "	45 "	70,590 "
24 "	49,843 "	46 "	71,612 "
25 "	50,767 "	47 "	72,634 "

It will be necessary to check the weights on axle groups, especially the so-called load-bearing axles. In most cases the weights on these groups of axles will definitely limit the overall gross weight.

Operators of vehicles should not be required to secure registrations for weights greater than can be carried under the gross weight limitations as quoted above except that heavier vehicles being operated under special permit shall be registered for the full weight allowed by the permit.

STATE LIBRARY OF IOWA



3 1723 02118 6226