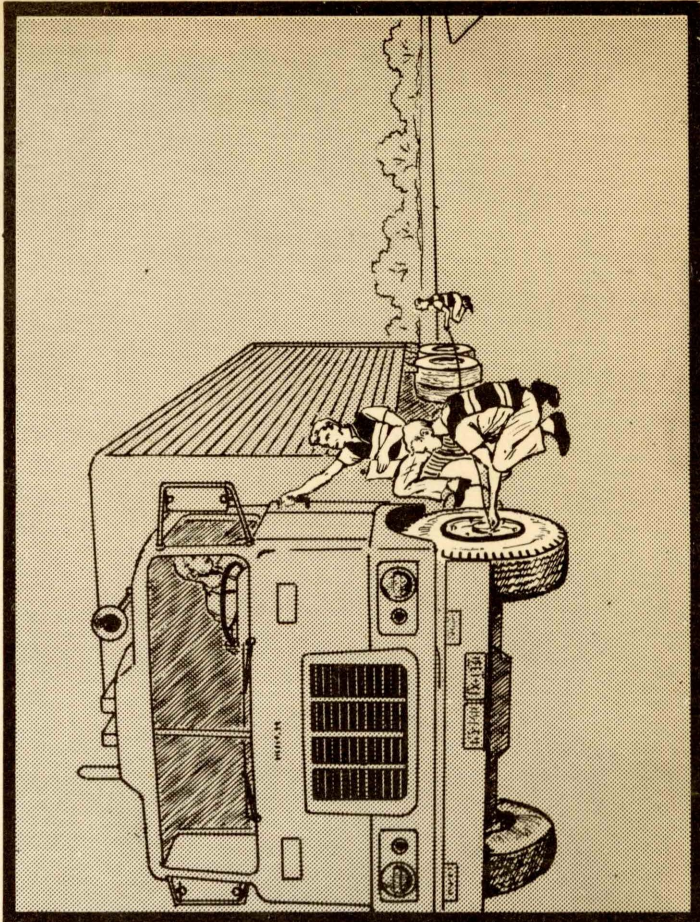
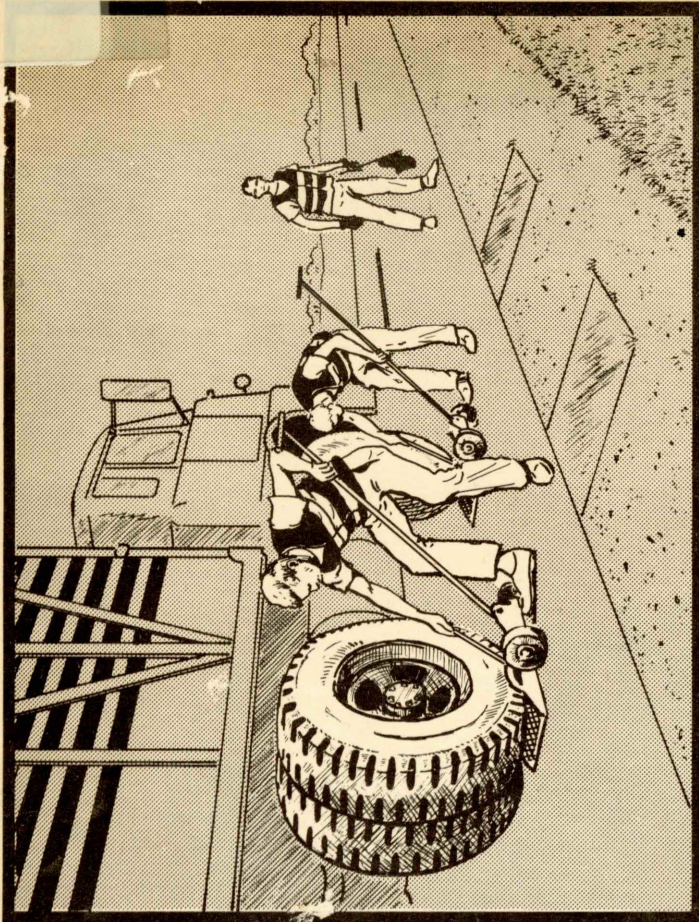


IOWA Analysis of Traffic Volume and Weight Study

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.

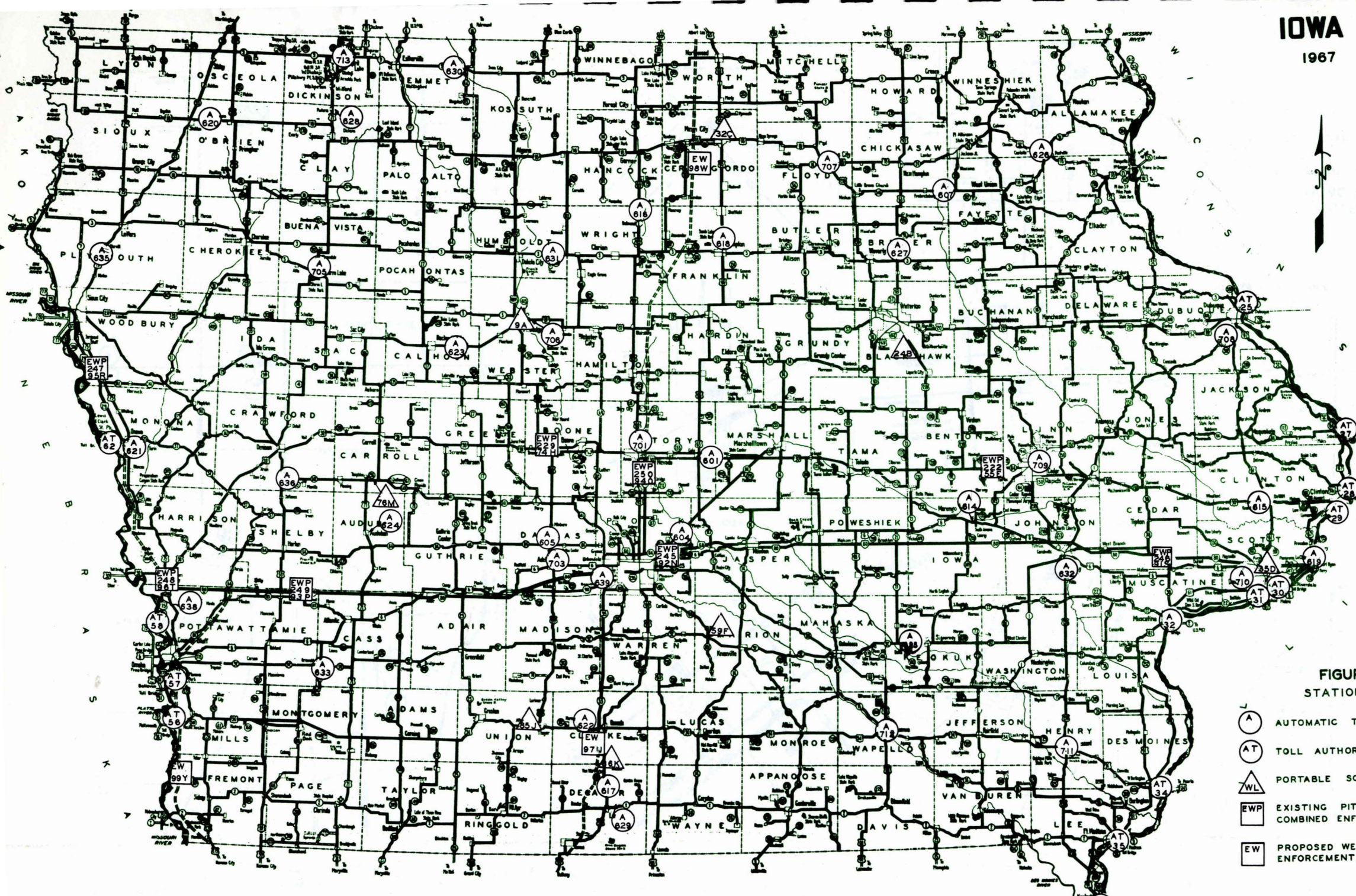





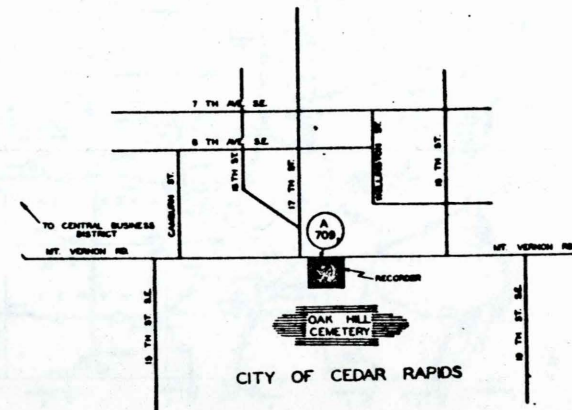
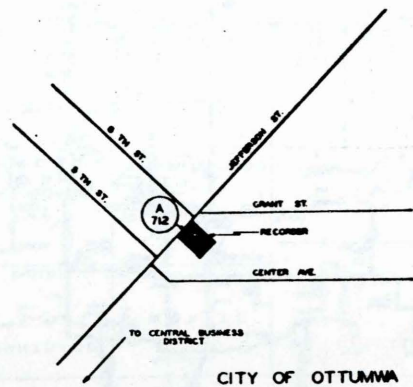
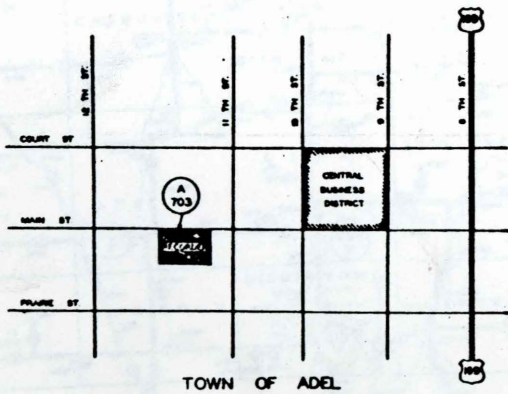
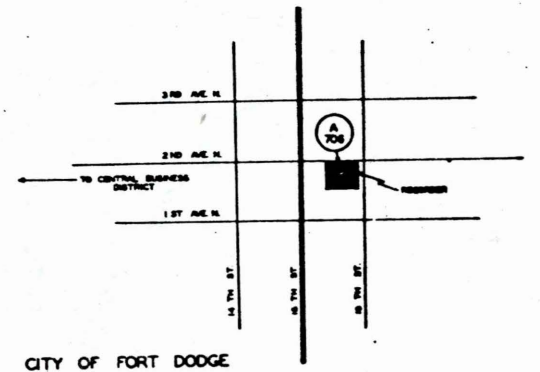
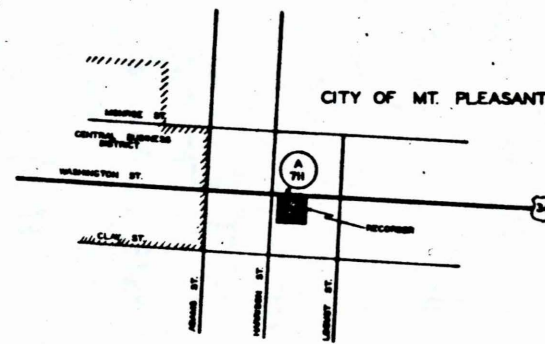
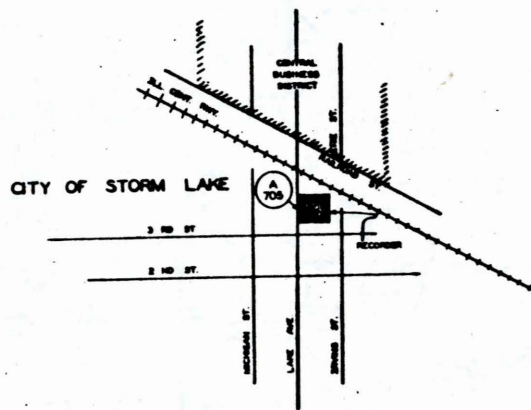
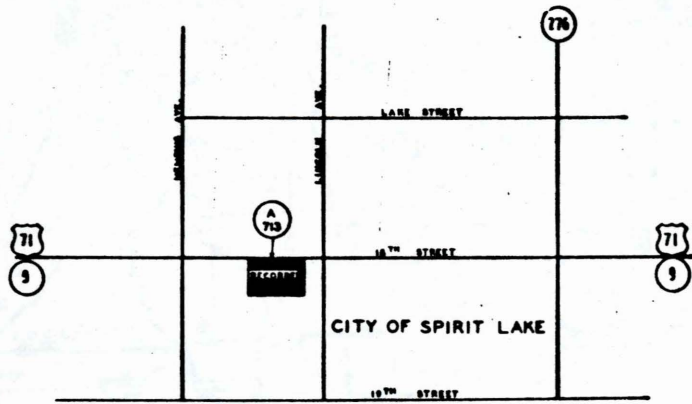
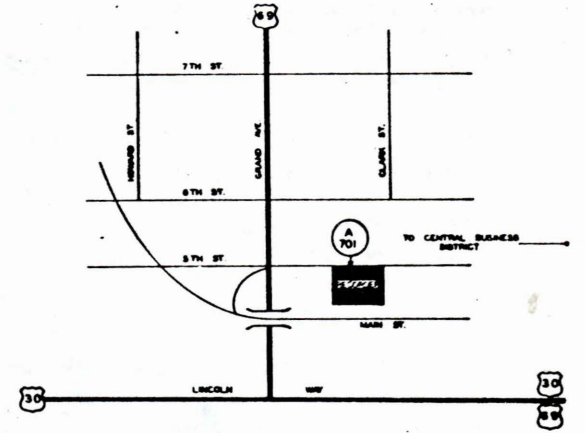
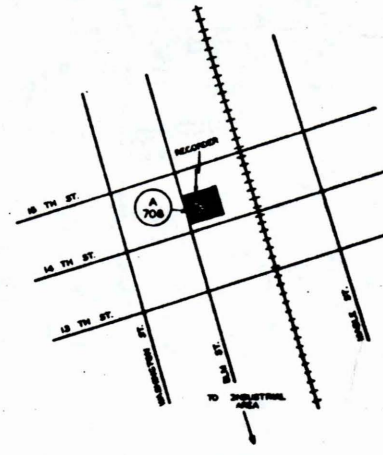
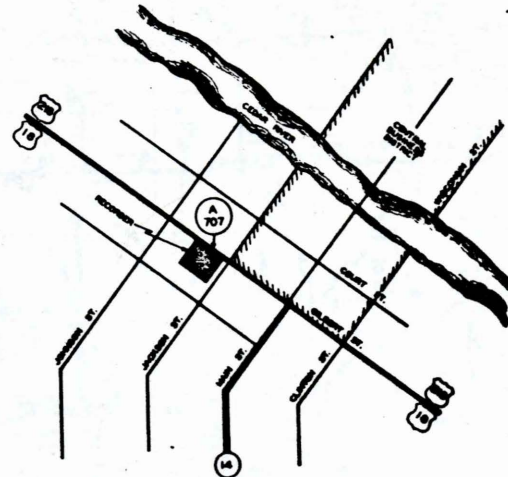
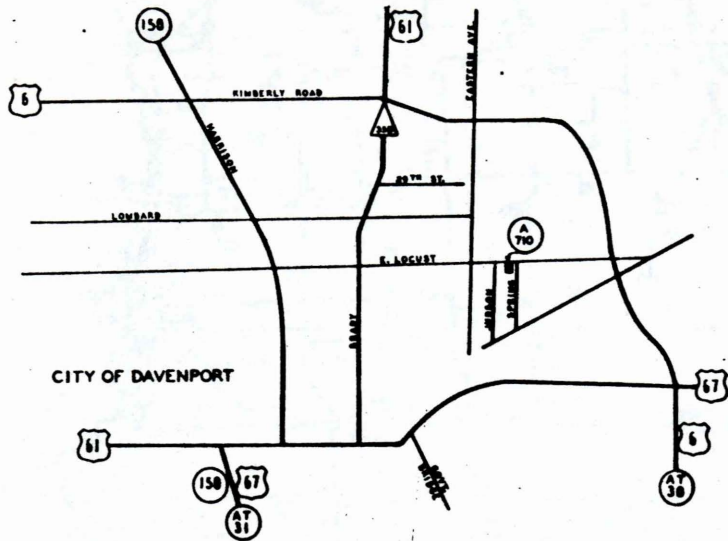


FIGURE NO. 1
STATION LOCATIONS

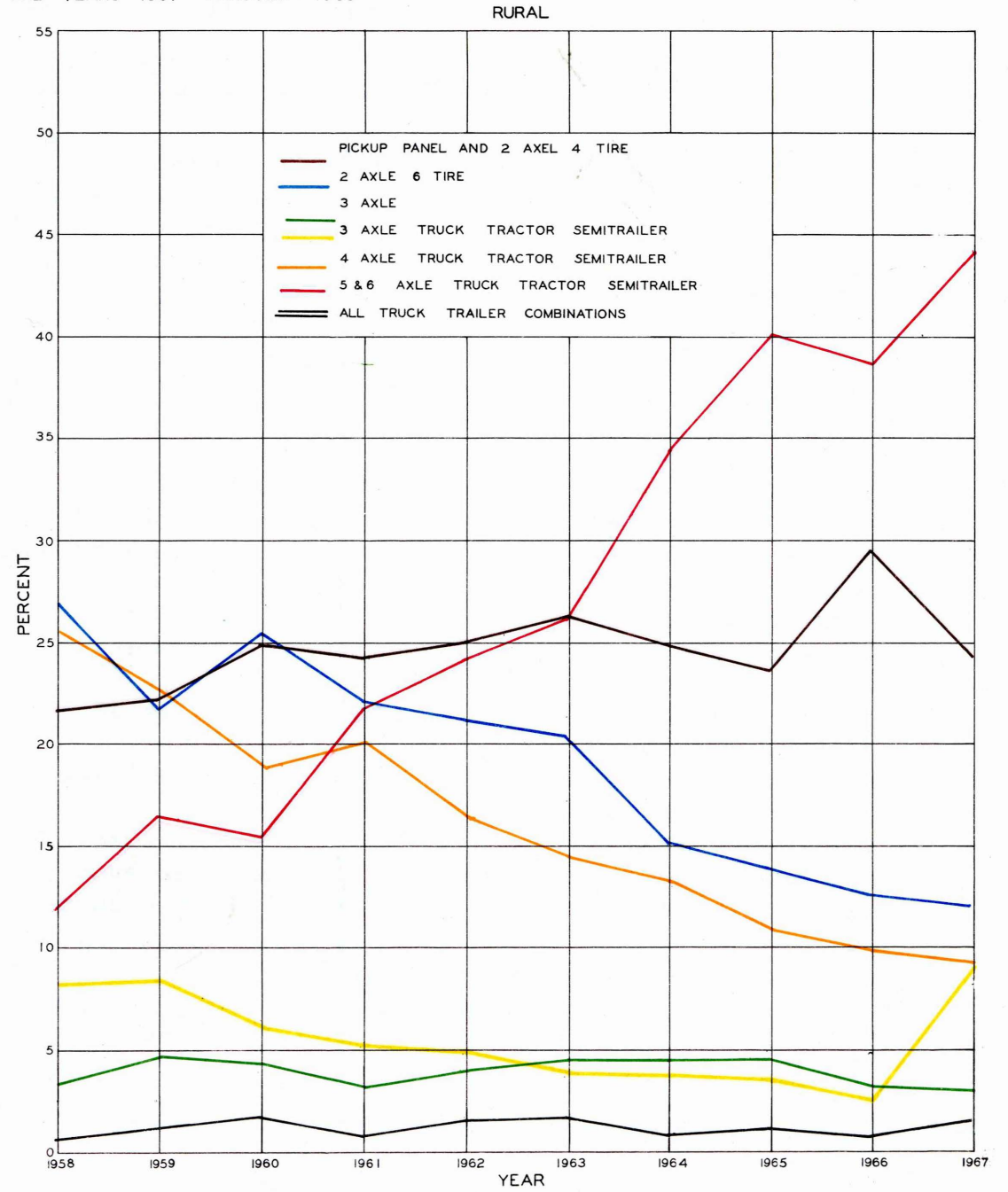
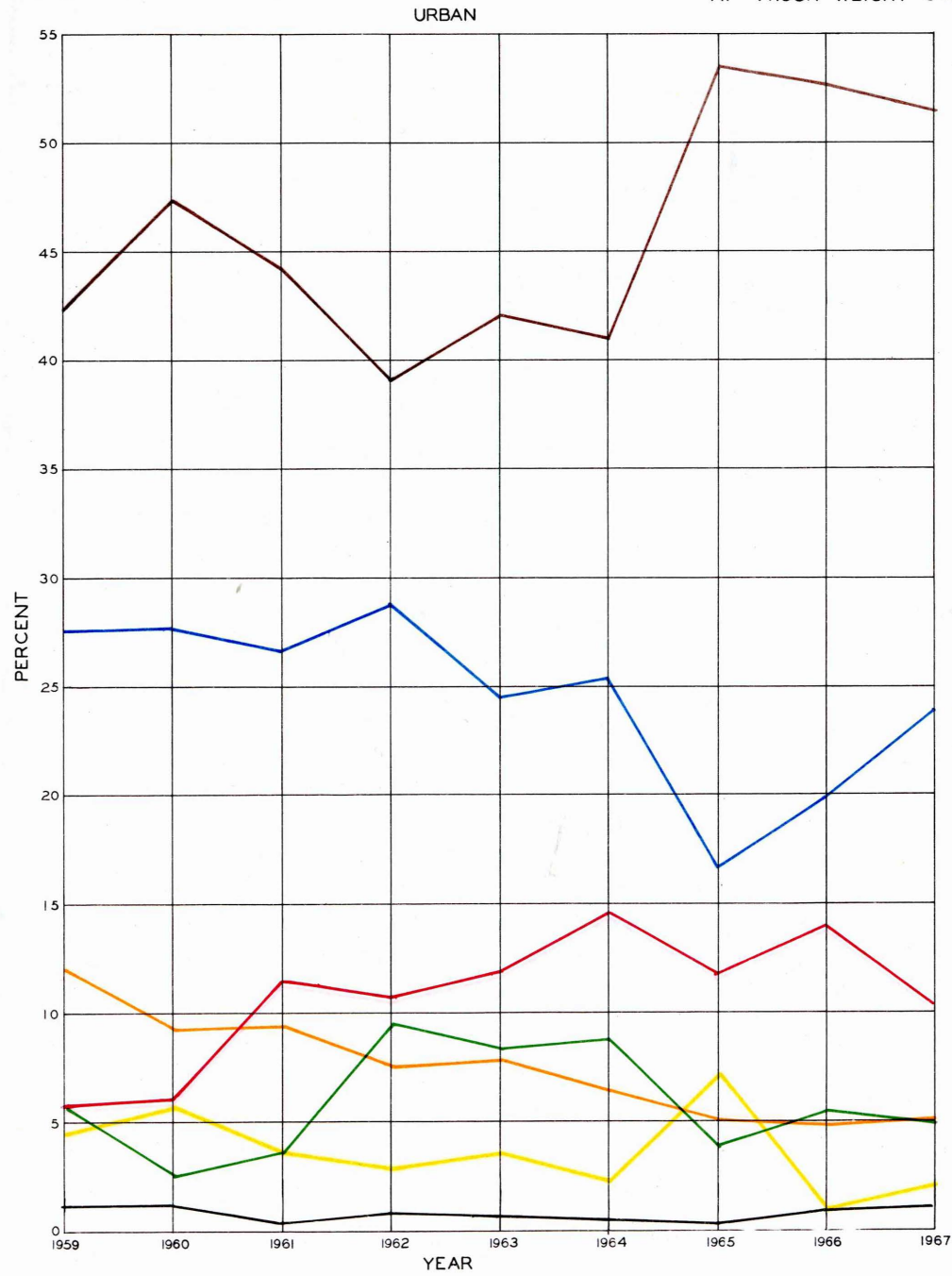
-  AUTOMATIC TRAFFIC RECORDER
-  TOLL AUTHORITY
-  PORTABLE SCALE STATIONS
-  EXISTING PIT SCALES WEIGHT STATION,
COMBINED ENFORCEMENT, PLANNING AND RESEARCH
-  PROPOSED WEIGHT STATION, COMBINED
ENFORCEMENT, PLANNING AND RESEARCH



- FIGURE NO. II
MUNICIPAL LOCATIONS
- (A) AUTOMATIC TRAFFIC RECORDERS
 - (AT) TOLL AUTHORITY
 - (WS) 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
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	10	3	7	35	166			1			12	1	244	
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 DOB, SH-I10 M-G 38	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	26	17	133	23	50	129	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	

(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		
									Fri 8-18 2PM-10PM	48	10	38	17	13	36	106	1		2	2			3	2	278	
									Thur 8-31 10PM-6AM	8	2	10	2	6	17	111		1					7		164	
									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	1966	Tue 8-1 6AM-2PM	51	10	89	29	22	87	419	2	6	7	4		17	3	746		
									Tue 8-2 6AM-2PM	22	3	56	31	29	97	377	1	5	9	3			9		642	
									Tue 7-25 2PM-10PM 1966 Mon 8-1 2PM-10PM	31	18	51	19	19	99	480	2	3	8	1			10	1	741	
									Tue 8-8 10PM-6AM 1966 Sun 7-31 10PM-6AM (1)	12	2	43	14	22	73	271	2	3	6	4			3		456	
									Total 24 Hours	5	8	18	7	15	82	496		1	9	1			22	3	667	
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		
									Thur 8-17 2PM-10PM (3)	24	2	58	20	27	50	163	1	3	1	1	1	5	1	357		
									Wed 8-30 10PM-6AM			20	4	4	18	119					1	5	2	173		
									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	STAND. & COMP.																											
95R	1967	Fri 8-25 6AM-2PM	1498	50	215	8	1771																											
	1966	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 OR MORE	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					
								1967ADT 6192	1967	Fri 7-14 2PM-10PM	203	38	97	12	7	26	70		1	4	2					3		463			
								1967ADT 6192	1966	Fri 7-15 2PM-10PM	205	25	82	19	10	30	53		6							2		432			
								1967ADT 6478	1967	10PM-6AM																					
								1967ADT 6478	1966	10PM-6AM																					
								1967ADT 6478	1966	Total 16 Hours	421	81	230	39	14	63	140		2	6	2						5		1003		
1967ADT 6478	1966	Total 16 Hours	456	40	224	47	15	62	127		8	2							7		988										
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 8-3 6AM-2PM (1)	221	39	108	75	12	26	76						1		560							
								1966	Thur 8-4 6AM-2PM	214	7	131	85	9	31	86		8						1		572					
								1967ADT 6390	1967	Thur 7-27 2PM-10PM (2)	215	30	56	34	3	20	74									2		434			
								1967ADT 6390	1966	Wed 8-3 2PM-10PM	165	5	68	63	4	33	69		1	2	1	3				1		415			
								1967ADT 5855	1967	10PM-6AM																					
								1967ADT 5855	1966	10PM-6AM																					
								1967ADT 5855	1966	Total 16 Hours	436	69	164	109	15	46	150											3		994	
1967ADT 5855	1966	Total 16 Hours	379	12	199	148	13	64	155		1	10	1	3					2		987										
55E	U.S. 30 U.S. 218 H.S. (03M)	US 30 and US 218 2 Miles West of Jct. US 30 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 4653	1967	Wed 8-2 6AM-2PM	46	17	89	18	10	60	168		1	1	2	4		2	1	419						
								1966	Wed 8-24 6AM-2PM	38	3	91	18	14	61	155									3		388				
								1967ADT 4653	1967	Wed 7-26 2PM-10PM (3)	77	17	49	21	7	57	118		1	1	3	2				2		355			
								1967ADT 4653	1966	Wed 8-17 2PM-10PM (4)	27	4	58	24	9	35	148										2	2	315		
								1967ADT 4736	1967	Tue 8-9 10PM-6AM	12	2	21	4	4	44	170											8		268	
								1967ADT 4736	1966	Sun 8-15 10PM-6AM	6	2	17	3	11	48	194		2								4		286		
								1967ADT 4736	1966	Total 24 Hours	135	36	159	43	21	161	456		2	4	5	7					12	1	1042		
1967ADT 4736	1966	Total 24 Hours	71	9	166	45	34	144	497		1	5	5	1					9	2	969										

(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)

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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
	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		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	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				6	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				2				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	10	8		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			2	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			

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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

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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																											
59F	1967	Mon 7-17 6AM-2PM	821	14	72		907	2	2	4	3		3	174	24	84	23	305	7	7	30	2	46	1	1			2						
	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	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						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						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						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 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	NSB 70/50N60/50 OPN	10 Miles North of ATR Station 617	1967ADT 2665	1967	Tue 7-18 6AM-2PM	62	13	43	15	12	21	125	1	3	3	6				304									
									Tue 7-19 6AM-2PM	58	5	43	37	9	37	112																	
									Tue 7-11 2PM-10PM (1)	62	13	30	27	27	25	138	2	1	5	1													
									Tue 7-12 2PM-10PM	58	3	23	6	12	23	96		1	2														
									1966ADT 2375	1967	10PM-6AM																						
									1966ADL F-393	1966	10PM-6AM																						
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	NEW, 13, 1x9=9 P 1.7 D13 SH-G10	MNB 70/50N60/50 OPN	10 Miles South of Screenline Interview Station (1962)	1966ADL R-663 F-426	1967	Total 16 Hours	124	26	73	42	39	46	263	3	4	8	7				635									
									Total 16 Hours	116	8	66	43	21	60	208		1	3														
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																												
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																												

(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					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		7 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																				TOTAL VEHICLES COUNTED											
			PASSENGER CARS					MOTORCYCLES			BUSES			SINGLE-UNIT TRUCKS					TRACTOR-SEMITRAILER COMBINATIONS					TRUCK AND TRAILER COMBINATIONS				TWO-TRAILER COMBINATIONS						
			STAND. & COMP.	SMALL	STAND. & COMP.	SMALL	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	
99Y	XXXX	XXXXXX																																
	XXXX	XXXXXX																																
	XXXX	XXXXXX																																
	XXXX	XXXXXX																																
	XXXX	XXXXXX																																
	XXXX	XXXXXX																																
	XXXX	XXXXXX																																
	XXXX	XXXXXX																																
	XXXX	XXXXXX																																
	XXXX	XXXXXX																																

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	1967	1966	RATIO: 1967 1966	1967	1966	RATIO: 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	.00	.02	.00	.00	.09	.00		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 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	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
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													
STANDARD	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							
SUBTOTAL	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	.06				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-4

OTHER URBAN--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 2 WEIGHT STUDY STATIONS DURING THE PERIOD FROM JULY 5 TO SEPTEMBER 1, 1967 COMPARED TO CORRESPONDING DATA FOR 1966.

Table with multiple columns for axle load ranges (e.g., UNDER 3000, 3000-6999, etc.), vehicle types (SINGLE-UNIT TRUCKS, TRACTOR-SEMITRAILER COMBINATIONS, TRUCK AND TRAILER COMBINATIONS, TWO-TRAILER COMBINATIONS), and summary statistics (TOTAL AXLES WEIGHED, TOTAL AXLES COUNTED, TOTAL TRIDEMS WEIGHED, etc.). Includes sub-sections for SINGLE AXLES, TANDEM AXLE GROUPS, ALL AXLES, and 18 KIP AXLE EQUIVALENTS.

IOWA LEGAL LIMIT WEIGHT LAWS DESCRIBED IN APPENDIX A

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	Other for hire: All vehicles not bearing ICC identification carrying cargo not the property of the owner of the vehicle.	3
2-axle truck and 1-axle balanced trailer	2-1		
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>	
2-axle tractor, 1-axle semitrailer, 1-axle balanced trailer	2S1-1		<u>Code</u>
2-axle tractor, 1-axle semitrailer, 2-axle full trailer	2S1-2	Single Axle	1
2-axle tractor, 2-axle semitrailer, 1-axle balanced trailer	2S2-1	Gross Weight	2
2-axle tractor, 2-axle semitrailer, 2-axle full trailer	2S2-2	Axle Group	3
3-axle tractor, 1-axle semitrailer, 2-axle full trailer	3S1-2	Excess over Iowa Law is calculated from the basic legal weight plus the legal tolerance - See Appendix.	
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

Table with columns for Highway System, Vehicle Type, Maximum in Excess of (AASHO, State Law), Type of Excess (AASHO, State Law), Class of Operation, Commodity Carried, Body Type, Station at Which Weighed, Total Weight (Pounds), Axle Loads (100's LBS) (A-G), Axle Spacings (Feet) (A-G), Wheel Base, Percentage Over AASHO Recommendations (Axle Loads, Gross Wt., Max. Axle Group), and Percentage Over State Law (Axle Loads, Gross Wt., Max. Axle Group). Includes data for various truck configurations and axle weights.

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						AXLE LOADS							GROSS WT.	MAX. AXLE GROUP		AXLE LOADS							GROSS WT.	MAX. AXLE GROUP																					
											B	C	D	E	F	G	B		C	D	E	F	G		B	C	D		E	F	G																			
INTERSTATE, RURAL, FINAL LOC																																																		
01	2S1-2	.	.5	1	2	2	41100	VAN	R	59,800	90	186	36	174	112																																			
01	2S1-2	.	1.0	2	2	2	41100	VAN	S	74,000	112	162	182	142	142																																			
01	2S1-2	5.0	1.4	3	3	1	20260	TNK	R	74,000	68	174	182	166	150																																			
01	2S1-2	26.9	23.0	2	2	2	00000	FLT	R	40,600	88	106	56	82	74																																			
01	3S1-2	2.0	8.0	3	2	2	41100	VAN	P	79,200	94	118	172	140	134	134																																		

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

Table with columns for Highway System, Vehicle Type, Maximum in Excess of (AASHO, State Law), Type of Excess (AASHO, State Law), Class of Operation, Commodity Carried, Body Type, Station at Which Weighed, Total Weight (Pounds), Axle Loads (100's lbs), Axle Spacings (Feet), Percentage Over AASHO Recommendations, and Percentage Over State Law.

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.

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