Appendix A

Regional Distributions of The Total Truck Fleet

1992 Truck Fleet
Traffic Region: North Central

Straight Truck				
State	**2-axle**	**3-axle**	**4-axle**	**Total**
Illinois	112,353	25,084	1,640	139,077
Indiana	63,404	8,982	3,026	75,412
Iowa	46,923	15,759	1,143	63,825
Kansas	71,105	17,254	746	89,105
Michigan	60,135	8,251	5,896	74,281
Minnesota	51,583	19,267	2,942	73,792
Missouri	54,536	15,110	922	70,568
Nebraska	30,010	9,998	741	40,749
North Dakota	31,708	12,725	914	45,347
Ohio	103,380	19,414	3,707	126,501
South Dakota	20,510	5,474	507	26,491
Wisconsin	44,399	10,406	7,508	62,313
Total	690,046	167,723	29,693	887,462

Truck + Trailer							
State	**2+2**	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Illinois	8,593	0	2,463	0	111	0	11,167
Indiana	2,930	221	250	63	156	156	3,775
Iowa	1,611	513	662	30	30	30	2,875
Kansas	1,744	259	864	116	0	46	3,029
Michigan	3,326	1,772	895	138	522	886	7,539
Minnesota	2,935	184	1,209	374	279	98	5,080
Missouri	3,374	521	1,024	174	171	0	5,263
Nebraska	951	107	436	145	164	38	1,840
North Dakota	627	0	405	40	97	11	1,181
Ohio	5,391	344	521	0	200	0	6,456
South Dakota	831	77	83	48	130	41	1,210
Wisconsin	2,948	490	789	47	167	0	4,442
Total	35,261	4,488	9,600	1,173	2,027	1,307	53,856

Tractor + Semitrailer										
State	**2-S1**	**2-S2**	**2-*S3**	**3-S1**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Illinois	4,453	9,733	222	438	93,996	3,322	0	2,224	222	114,611
Indiana	1,536	6,794	282	156	31,989	719	0	813	125	42,415
Iowa	1,130	2,121	202	89	23,605	1,014	0	722	266	29,149
Kansas	1,473	2,142	0	139	16,613	580	0	463	93	21,503
Michigan	2,880	3,784	310	138	20,043	6,698	0	413	619	34,884
Minnesota	962	2,670	47	169	15,788	1,906	0	505	427	22,475
Missouri	1,239	2,993	221	145	22,155	759	0	569	25	28,107
Nebraska	411	1,513	94	76	13,638	707	0	354	283	17,075
North Dakota	292	274	97	51	5,245	359	29	131	211	6,689
Ohio	2,173	6,462	501	196	35,586	2,911	0	1,031	157	49,018
South Dakota	275	387	56	50	4,997	279	68	215	83	6,410
Wisconsin	848	1,769	258	118	21,759	1,060	24	754	141	26,729
Total	17,672	40,640	2,290	1,765	305,414	20,314	121	8,195	2,653	399,064

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Illinois	5,964	556	438	0	0	0	0	0	0	0	6,957
Indiana	408	0	0	31	0	0	0	31	0	0	471
Iowa	237	30	0	0	0	0	0	0	30	0	296
Kansas	417	93	0	23	23	0	0	0	0	0	556
Michigan	275	69	0	206	34	103	69	1,858	0	413	3,027
Minnesota	95	119	0	0	0	0	24	0	0	0	237
Missouri	120	171	0	0	0	0	0	0	0	0	291
Nebraska	38	19	0	38	0	0	0	0	0	0	94
North Dakota	11	11	68	148	0	0	11	23	0	0	273
Ohio	439	78	0	0	0	0	0	39	0	0	557
South Dakota	25	33	0	66	0	25	0	8	0	68	225
Wisconsin	24	47	0	24	0	0	0	0	0	0	94
Total	8,052	1,225	506	536	58	128	104	1,959	30	481	13,079

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Illinois	0	0	0	0
Indiana	0	0	0	0
Iowa	0	0	0	0
Kansas	0	0	0	0
Michigan	0	0	0	0
Minnesota	0	71	0	71
Missouri	0	0	0	0
Nebraska	0	0	0	0
North Dakota	0	0	0	0
Ohio	0	0	0	0
South Dakota	8	0	0	8
Wisconsin	0	0	0	0
Total	8	71	0	79

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1992 Truck Fleet
Traffic Region: North East

Straight Truck				
State	**2-axle**	**3-axle**	**4-axle**	**Total**
Connecticut	30,027	2,839	2,204	35,070
Maine	17,015	4,881	903	22,799
Massachusetts	33,002	6,090	817	39,909
New Hampshire	15,445	3,017	597	19,058
Rhode Island	6,838	1,100	167	8,104
Vermont	6,812	1,489	184	8,485
New Jersey	58,272	8,322	1,494	68,088
New York	108,568	19,171	2,580	130,319
Pennsylvania	121,617	16,728	12,148	150,493
Total	397,595	63,637	21,093	482,325

Truck + Trailer							
State	**2+2**	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Connecticut	571	231	175	0	58	7	1,042
Maine	405	225	297	60	21	0	1,007
Massachusetts	1,351	269	245	0	72	0	1,936
New Hampshire	771	142	144	51	16	0	1,124
Rhode Island	320	51	56	8	12	0	446
Vermont	364	91	112	2	33	0	602
New Jersey	2,059	429	712	0	0	0	3,199
New York	4,915	968	652	167	84	29	6,815
Pennsylvania	3,020	348	1,095	405	291	0	5,158
Total	13,776	2,753	3,487	693	586	36	21,330

Tractor + Semitrailer										
State	**2-S1**	**2-S2**	**2-*S3**	**3-S1**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Connecticut	381	816	36	48	2,564	154	0	83	76	4,158
Maine	118	517	31	18	3,535	1,112	0	98	57	5,487
Massachusetts	614	2,487	35	23	6,696	228	0	331	0	10,414
New Hampshire	63	707	26	95	2,158	325	0	131	42	3,547
Rhode Island	85	297	36	32	1,183	54	0	48	6	1,740
Vermont	40	154	15	0	1,299	152	0	32	10	1,701
New Jersey	1,036	4,744	170	202	19,391	1,087	0	747	58	27,435
New York	1,864	4,818	58	283	17,232	1,609	0	549	87	26,498
Pennsylvania	1,603	8,490	285	114	36,180	2,168	0	2,339	342	51,520
Total	5,804	23,030	691	815	90,239	6,888	0	4,357	678	132,501

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Connecticut	283	0	0	7	0	0	0	0	0	0	290
Maine	18	0	0	0	0	0	0	0	0	0	18
Massachusetts	128	0	0	0	0	0	0	0	0	0	128
New Hampshire	31	0	0	21	0	0	0	0	0	0	52
Rhode Island	0	0	0	0	0	0	0	0	0	0	0
Vermont	15	0	0	2	0	0	0	0	0	0	17
New Jersey	202	86	29	58	0	0	0	0	0	0	375
New York	113	0	58	514	0	29	29	58	0	0	800
Pennsylvania	627	57	0	0	0	0	0	0	0	0	684
Total	1,417	144	87	602	0	29	29	58	0	0	2,365

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Connecticut	0	0	7	7
Maine	0	0	0	0
Massachusetts	0	0	0	0
New Hampshire	0	0	26	26
Rhode Island	0	0	0	0
Vermont	0	0	0	0
New Jersey	0	0	0	0
New York	0	0	0	0
Pennsylvania	0	0	0	0
Total	0	0	33	33

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1992 Truck Fleet
Traffic Region: South Atlantic

Straight Truck				
State	**2-axle**	**3-axle**	**4-axle**	**Total**
Delaware	8,409	1,788	213	10,410
District of Columbia	1,570	96	26	1,692
Florida	86,607	16,341	1,684	104,632
Georgia	64,400	8,072	76	72,548
Maryland	51,669	8,291	329	60,290
North Carolina	70,274	8,541	2,088	80,903
South Carolina	35,080	4,199	838	40,117
Virginia	53,907	8,986	1,138	64,031
West Virginia	18,425	3,788	1,082	23,295
Total	390,340	60,103	7,474	457,918

Truck + Trailer							
State	**2+2**	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Delaware	329	115	72	4	0	0	521
District of Columbia	11	0	0	0	0	0	11
Florida	7,582	896	473	41	83	0	9,074
Georgia	2,655	263	87	0	0	0	3,004
Maryland	2,205	522	288	12	12	0	3,039
North Carolina	3,549	793	684	0	36	36	5,098
South Carolina	2,111	625	510	26	39	0	3,311
Virginia	4,253	171	367	13	0	0	4,804
West Virginia	589	325	106	49	24	0	1,093
Total	23,284	3,711	2,586	145	194	36	29,956

Tractor + Semitrailer										
State	**2-S1**	**2-S2**	**2-*S3**	**3-S1**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Delaware	139	548	53	38	2,465	88	8	201	12	3,553
District of Columbia	0	14	0	0	68	4	0	3	6	96
Florida	2,913	8,320	248	290	27,467	1,475	0	497	124	41,335
Georgia	1,543	4,165	491	260	24,701	769	0	520	58	32,506
Maryland	693	976	61	98	7,643	491	0	288	12	10,263
North Carolina	2,356	4,313	72	216	29,003	790	0	970	216	37,935
South Carolina	920	1,955	26	91	10,147	301	0	588	39	14,067
Virginia	1,048	1,535	77	90	5,440	230	0	102	13	8,535
West Virginia	138	344	260	6	3,044	428	0	149	30	4,400
Total	9,749	22,170	1,288	1,089	109,979	4,576	8	3,318	511	152,689

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Delaware	0	4	0	0	0	0	0	0	0	0	4
District of Columbia	0	0	0	0	0	0	0	0	0	0	0
Florida	568	166	0	83	0	0	0	0	0	0	816
Georgia	144	29	0	0	0	0	0	0	0	0	173
Maryland	0	0	0	0	0	0	0	0	0	0	0
North Carolina	647	180	0	0	0	0	0	0	0	0	826
South Carolina	105	65	52	13	0	0	0	0	0	0	235
Virginia	51	0	0	0	0	0	0	0	13	0	64
West Virginia	71	6	0	0	0	0	0	0	0	0	77
Total	1,586	450	52	96	0	0	0	0	13	0	2,196

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Delaware	0	0	0	0
District of Columbia	0	0	0	0
Florida	0	0	0	0
Georgia	0	0	0	0
Maryland	0	0	0	0
North Carolina	0	0	0	0
South Carolina	0	0	0	0
Virginia	0	0	0	0
West Virginia	0	0	0	0
Total	0	0	0	0

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1992 Truck Fleet
Traffic Region: South Gulf

Straight Truck				
State	2-axle	3-axle	4-axle	Total
Alabama	42,780	5,729	1,163	49,672
Arkansas	3,574	951	193	4,718
Kentucky	46,220	9,012	1,980	57,212
Louisiana	32,344	5,665	432	38,440
Mississippi	12,821	1,890	25	14,736
Oklahoma	52,359	9,004	539	61,902
Tennessee	43,345	6,652	3,066	53,063
Texas	103,814	20,988	1,094	125,896
Total	337,257	59,890	8,492	405,640

Truck + Trailer							
State	2+2	2+*3	3+2	3+*3	*4+2	*4+*3	Total
Alabama	3,022	289	1,101	24	95	116	4,646
Arkansas	530	19	73	13	0	0	635
Kentucky	1,540	447	86	37	0	0	2,109
Louisiana	1,078	507	680	206	170	0	2,640
Mississippi	940	106	706	20	39	0	1,811
Oklahoma	2,112	164	394	0	29	0	2,699
Tennessee	2,978	531	302	0	54	0	3,865
Texas	8,437	683	4,666	223	149	0	14,157
Total	20,636	2,744	8,008	522	535	116	32,561

Tractor + Semitrailer										
State	2-S1	2-S2	2-*S3	3-S1	3-S2	3-*S3	4-S1	4-S2	4-*S3	Total
Alabama	1,454	4,488	166	142	24,530	1,080	0	379	142	32,381
Arkansas	281	574	83	20	3,729	112	0	95	10	4,905
Kentucky	1,090	2,121	282	104	9,456	1,233	18	484	221	15,009
Louisiana	1,629	1,519	84	149	10,670	1,271	0	522	89	15,934
Mississippi	401	1,723	89	44	5,853	172	20	167	10	8,478
Oklahoma	1,166	2,674	321	893	19,050	1,578	29	379	58	26,148
Tennessee	858	2,478	369	210	16,462	771	0	561	122	21,830
Texas	4,024	10,187	905	520	52,550	3,560	0	1,425	219	73,390
Total	10,903	25,764	2,299	2,083	142,300	9,776	67	4,012	871	198,074

Tractor + Doubles											
State	2-S1-2	3-S1-2	2-S2-2	3-S2-2	*Other 7-axle	3-S2-3	*Other 8-axle	3-*S2-*4	*Other 9-axle	*Other 10-axle	Total
Alabama	189	118	0	0	0	24	0	0	0	0	331
Arkansas	20	0	0	0	0	0	0	0	0	0	20
Kentucky	110	0	0	0	0	0	31	0	0	0	141
Louisiana	240	0	0	0	0	0	0	0	0	0	240
Mississippi	166	0	20	0	0	0	0	0	0	0	186
Oklahoma	29	87	0	29	0	0	0	87	0	0	233
Tennessee	1,234	24	0	0	0	0	0	0	0	0	1,258
Texas	743	0	0	0	0	74	74	74	0	0	965
Total	2,732	230	20	29	0	98	105	162	0	0	3,375

Tractor + Triples				
State	2-S1-2-2	3-S1-2-2	Other	Total
Alabama	0	0	0	0
Arkansas	0	0	0	0
Kentucky	0	0	0	0
Louisiana	0	0	0	0
Mississippi	0	0	0	0
Oklahoma	0	0	0	0
Tennessee	0	0	0	0
Texas	0	0	0	0
Total	0	0	0	0

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1992 Truck Fleet
Traffic Region: West

Straight Truck

State	2-axle	3-axle	4-axle	Total
Alaska	5,717	2,114	226	8,057
Arizona	24,777	3,756	630	29,164
California	238,111	22,732	5,857	266,700
Colorado	35,623	10,282	219	46,124
Hawaii	6,830	1,974	183	8,986
Montana	16,140	3,903	209	20,252
Nevada	12,928	2,535	590	16,052
Utah	13,893	3,341	434	17,667
Washington	31,610	8,142	980	40,732
Wyoming	4,401	1,777	77	6,255
Idaho	21,358	7,755	92	29,205
New Mexico	15,797	2,004	153	17,953
Oregon	26,597	8,322	593	35,512
Total	453,782	78,636	10,242	542,659

Truck + Trailer

State	2+2	2+*3	3+2	3+*3	*4+2	*4+*3	Total
Alaska	168	110	224	21	25	11	560
Arizona	1,778	254	878	24	24	0	2,957
California	6,657	309	10,013	964	964	0	18,906
Colorado	1,907	185	1,348	100	65	0	3,605
Hawaii	142	0	274	27	0	0	443
Montana	605	0	698	113	74	112	1,602
Nevada	598	8	173	26	8	0	814
Utah	502	20	441	0	107	0	1,069
Washington	3,648	267	1,689	126	267	267	6,265
Wyoming	316	40	32	0	0	13	401
Idaho	724	91	1,323	92	70	29	2,329
New Mexico	971	53	257	10	10	0	1,301
Oregon	1,112	229	2,290	110	166	19	3,926
Total	19,130	1,565	19,640	1,612	1,780	451	44,179

Tractor + Semitrailer

State	2-S1	2-S2	2-*S3	3-S1	3-S2	3-*S3	4-S1	4-S2	4-*S3	Total
Alaska	38	299	12	15	1,113	262	0	109	128	1,976
Arizona	1,141	912	116	60	4,873	318	0	167	12	7,599
California	13,970	13,547	1,001	1,425	53,005	2,118	0	1,232	115	86,414
Colorado	1,267	1,140	49	260	9,297	309	0	227	32	12,581
Hawaii	40	365	27	60	1,796	126	0	12	34	2,460
Montana	149	493	90	0	6,348	315	0	260	240	7,894
Nevada	638	576	33	57	3,448	267	0	189	8	5,215
Utah	723	456	80	109	8,880	474	0	89	60	10,872
Washington	1,551	1,158	151	366	7,832	820	22	556	706	13,161
Wyoming	200	292	27	41	2,883	399	0	153	113	4,109
Idaho	190	468	242	131	5,048	567	0	169	199	7,015
New Mexico	275	698	21	10	1,294	182	0	62	5	2,545
Oregon	1,683	1,051	148	148	11,892	1,346	0	387	433	17,086
Total	21,863	21,455	1,995	2,683	117,711	7,502	22	3,612	2,086	178,927

Tractor + Doubles

State	2-S1-2	3-S1-2	2-S2-2	3-S2-2	*Other 7-axle	3-S2-3	*Other 8-axle	3-*S2-*4	*Other 9-axle	*Other 10-axle	Total
Alaska	11	8	0	120	0	25	4	58	0	8	234
Arizona	536	60	72	0	12	0	12	0	0	0	691
California	17,703	231	924	540	577	0	346	0	0	115	20,436
Colorado	81	97	49	16	16	0	16	32	0	0	309
Hawaii	7	7	7	0	7	0	0	0	0	0	27
Montana	28	18	0	528	9	166	92	129	37	0	1,008
Nevada	122	106	0	98	8	35	16	212	0	8	605
Utah	200	239	10	347	0	148	60	308	48	60	1,418
Washington	200	479	0	694	22	323	172	108	22	0	2,018
Wyoming	5	0	5	263	0	46	5	49	0	0	371
Idaho	29	168	0	698	50	138	0	120	0	0	1,203
New Mexico	10	10	0	0	0	0	15	0	0	0	36
Oregon	748	486	19	414	56	860	38	38	0	0	2,658
Total	19,680	1,910	1,084	3,716	758	1,739	777	1,054	107	191	31,015

Tractor + Triples

State	2-S1-2-2	3-S1-2-2	Other	Total
Alaska	0	0	11	11
Arizona	0	0	0	0
California	115	0	0	115
Colorado	81	0	0	81
Hawaii	0	0	0	0
Montana	0	9	9	18
Nevada	16	8	8	33
Utah	10	0	10	20
Washington	0	0	22	22
Wyoming	0	9	5	14
Idaho	0	10	10	20
New Mexico	0	0	0	0
Oregon	56	226	19	301
Total	279	262	93	635

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet
Number of Vehicles by Truck Configuration, by Region

Vehicle Group	Regions					
	North Central	North East	South Atlantic	South Gulf	West	Total
Straight Truck						
2-axle	722,116	408,203	406,472	373,542	410,248	2,320,581
3-axle	144,536	60,391	61,541	65,933	65,563	397,964
4-axle	18,234	15,279	9,536	5,857	4,207	53,113
Subtotal	884,886	483,874	477,549	445,333	480,018	2,771,659
Truck + Trailer						
2+2	23,533	11,393	11,739	26,025	17,443	90,134
2+*3	5,687	4,283	4,689	5,262	3,667	23,588
3+2	6,734	2,583	3,532	6,550	14,044	33,442
3+*3	1,298	1,023	1,373	810	2,090	6,594
***4+2**	767	494	175	287	294	2,017
***4+*3**	1,331	121	54	31	564	2,100
Subtotal	39,349	19,898	21,561	38,965	38,103	157,876
Tractor + Semitrailer						
2-S1	22,132	6,076	10,760	11,647	20,098	70,712
2-S2	43,919	26,210	27,833	25,901	20,797	144,660
2-*S3	3,593	1,178	2,828	1,403	2,385	11,389
3-S1	5,965	3,372	3,756	7,809	6,602	27,504
3-S2	249,345	81,229	97,250	128,337	77,314	633,475
3-*S3	16,425	4,824	3,930	7,922	4,250	37,350
4-S1	302	106	153	85	190	837
4-S2	4,813	2,222	2,380	2,543	1,598	13,556
4-*S3	2,173	620	747	835	724	5,098
Subtotal	348,667	125,837	149,637	186,483	133,957	944,581
Tractor + Double						
2-S1-2	7,734	519	1,310	1,643	13,713	24,919
3-S1-2	3,318	0	31	289	1,290	4,927
2-S2-2	0	0	0	0	60	60
3-S2-2	0	0	0	0	421	421
Other @ 7-axle	9	0	7	0	4	20
3-S2-3	0	0	0	0	180	180
Other @ 8-axle	0	0	0	0	0	0
3-*S2-*4	1,085	86	0	0	408	1,579
Other @ 9-axle	0	0	0	0	0	0
Other @10-axle	88	0	0	0	58	146
Subtotal	12,233	604	1,348	1,932	16,135	32,252
Tractor + Triples						
2-S1-2-2	9	0	0	5	308	321
3-S1-2-2	0	0	0	0	67	67
Other	0	10	0	0	33	43
Subtotal	9	10	0	5	408	432
Total	1,285,144	630,223	650,095	672,717	668,621	3,906,800

* Note: Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet
Traffic Region: North Central

	Straight Truck			
State	**2-axle**	**3-axle**	**4-axle**	**Total**
Illinois	114,677	25,283	1,013	140,973
Indiana	69,687	9,160	1,985	80,832
Iowa	44,335	12,143	465	56,943
Kansas	72,933	11,472	262	84,667
Michigan	69,339	9,143	3,295	81,777
Minnesota	52,730	16,255	1,623	70,608
Missouri	57,259	13,087	187	70,533
Nebraska	38,451	8,558	826	47,835
North Dakota	38,290	10,562	737	49,589
Ohio	93,932	16,336	2,530	112,798
South Dakota	21,342	3,681	250	25,273
Wisconsin	49,141	8,857	5,060	63,058
Total	722,116	144,536	18,234	884,886

	Truck + Trailer						
State	**2+2**	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Illinois	6,420	407	766	0	0	0	7,593
Indiana	1,957	494	570	220	0	0	3,242
Iowa	1,260	0	291	0	0	0	1,551
Kansas	1,234	243	534	162	0	0	2,173
Michigan	1,661	602	441	238	150	759	3,852
Minnesota	2,183	385	781	187	269	0	3,805
Missouri	1,313	294	869	294	0	0	2,770
Nebraska	548	137	729	67	0	184	1,664
North Dakota	140	324	366	73	41	38	982
Ohio	3,539	2,256	425	0	0	144	6,363
South Dakota	143	126	172	56	26	0	522
Wisconsin	3,136	420	790	0	281	205	4,832
Total	23,533	5,687	6,734	1,298	767	1,331	39,349

	Tractor + Semitrailer									
State	**2-S1**	**2-S2**	**2-*S3**	**3-S1**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Illinois	5,576	10,527	855	896	74,597	1,992	188	1,545	778	96,954
Indiana	1,988	4,019	136	678	28,343	904	45	407	45	36,565
Iowa	868	3,101	170	344	17,235	613	0	291	99	22,720
Kansas	1,530	2,254	137	440	12,045	459	19	174	19	17,075
Michigan	3,657	5,591	485	591	15,638	5,173	0	529	132	31,797
Minnesota	1,379	2,047	106	237	10,964	1,294	25	438	393	16,883
Missouri	2,933	3,606	153	371	16,988	840	0	277	0	25,167
Nebraska	351	1,192	76	294	15,756	591	0	395	92	18,746
North Dakota	48	780	19	127	3,571	469	0	102	67	5,183
Ohio	2,672	7,737	1,004	1,308	35,601	2,687	0	365	73	51,447
South Dakota	172	425	17	133	4,150	111	26	133	0	5,165
Wisconsin	959	2,641	436	548	14,458	1,293	0	158	474	20,967
Total	22,132	43,919	3,593	5,965	249,345	16,425	302	4,813	2,173	348,667

	Tractor + Doubles										
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Illinois	5,872	2,629	0	0	0	0	0	0	0	0	8,501
Indiana	0	90	0	0	0	0	0	0	0	0	90
Iowa	0	96	0	0	0	0	0	0	0	0	96
Kansas	260	93	0	0	0	0	0	0	0	0	353
Michigan	132	44	0	0	0	0	0	1,077	0	88	1,341
Minnesota	0	0	0	0	0	0	0	0	0	0	0
Missouri	30	60	0	0	0	0	0	0	0	0	90
Nebraska	479	177	0	0	0	0	0	0	0	0	656
North Dakota	10	0	0	0	0	0	0	0	0	0	10
Ohio	871	73	0	0	0	0	0	0	0	0	944
South Dakota	0	56	0	0	9	0	0	9	0	0	73
Wisconsin	79	0	0	0	0	0	0	0	0	0	79
Total	7,734	3,318	0	0	9	0	0	1,085	0	88	12,233

	Tractor + Triples			
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Illinois	0	0	0	0
Indiana	0	0	0	0
Iowa	0	0	0	0
Kansas	0	0	0	0
Michigan	0	0	0	0
Minnesota	0	0	0	0
Missouri	0	0	0	0
Nebraska	0	0	0	0
North Dakota	0	0	0	0
Ohio	0	0	0	0
South Dakota	9	0	0	9
Wisconsin	0	0	0	0
Total	9	0	0	9

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet
Traffic Region: North East

Straight Truck				
State	2-axle	3-axle	4-axle	Total
Connecticut	26,693	2,453	2,159	31,305
Maine	16,759	3,710	975	21,444
Massachusetts	50,936	7,805	632	59,374
New Hampshire	13,721	3,397	330	17,448
Rhode Island	7,949	893	47	8,889
Vermont	8,201	1,585	138	9,923
New Jersey	69,412	8,722	947	79,081
New York	112,854	17,643	1,908	132,405
Pennsylvania	101,679	14,183	8,144	124,006
Total	408,203	60,391	15,279	483,874

Truck + Trailer							
State	2+2	2+*3	3+2	3+*3	*4+2	*4+*3	Total
Connecticut	1,115	157	70	24	35	24	1,424
Maine	629	265	163	159	19	31	1,266
Massachusetts	1,339	676	327	99	50	0	2,492
New Hampshire	486	204	119	37	45	17	909
Rhode Island	181	110	82	7	7	7	395
Vermont	247	102	43	13	9	0	414
New Jersey	2,451	532	164	288	0	41	3,477
New York	1,646	1,088	1,040	396	0	0	4,170
Pennsylvania	3,297	1,149	574	0	330	0	5,350
Total	11,393	4,283	2,583	1,023	494	121	19,898

Tractor + Semitrailer										
State	2-S1	2-S2	2-*S3	3-S1	3-S2	3-*S3	4-S1	4-S2	4-*S3	Total
Connecticut	557	1,371	22	109	2,864	177	22	100	11	5,233
Maine	255	935	90	101	3,265	830	10	109	78	5,674
Massachusetts	860	3,049	78	142	8,123	625	0	220	0	13,098
New Hampshire	164	965	55	102	2,373	127	8	93	25	3,913
Rhode Island	246	568	6	55	1,157	53	7	41	0	2,133
Vermont	38	286	21	43	1,236	38	0	13	4	1,680
New Jersey	1,313	5,917	205	1,681	16,544	821	0	452	164	27,097
New York	1,541	5,532	187	327	15,572	701	0	322	47	24,228
Pennsylvania	1,103	7,588	513	813	30,095	1,451	58	871	290	42,781
Total	6,076	26,210	1,178	3,372	81,229	4,824	106	2,222	620	125,837

Tractor + Doubles											
State	2-S1-2	3-S1-2	2-S2-2	3-S2-2	*Other 7-axle	3-S2-3	*Other 8-axle	3-*S2-*4	*Other 9-axle	*Other 10-axle	Total
Connecticut	44	0	0	0	0	0	0	0	0	0	44
Maine	50	0	0	0	0	0	0	10	0	0	61
Massachusetts	28	0	0	0	0	0	0	28	0	0	57
New Hampshire	0	0	0	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0	0
New York	280	0	0	0	0	0	0	47	0	0	327
Pennsylvania	116	0	0	0	0	0	0	0	0	0	116
Total	519	0	0	0	0	0	0	86	0	0	604

Tractor + Triples				
State	2-S1-2-2	3-S1-2-2	Other	Total
Connecticut	0	0	0	0
Maine	0	0	10	10
Massachusetts	0	0	0	0
New Hampshire	0	0	0	0
Rhode Island	0	0	0	0
Vermont	0	0	0	0
New Jersey	0	0	0	0
New York	0	0	0	0
Pennsylvania	0	0	0	0
Total	0	0	10	10

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet
Traffic Region: South Atlantic

Straight Truck				
State	**2-axle**	**3-axle**	**4-axle**	**Total**
Delaware	8,382	1,709	115	10,205
District of Columbia	1,739	202	16	1,956
Florida	70,625	12,324	1,786	84,735
Georgia	69,272	9,854	819	79,945
Maryland	46,006	8,658	238	54,902
North Carolina	86,052	10,734	3,107	99,893
South Carolina	33,985	2,637	630	37,251
Virginia	70,967	12,120	1,618	84,705
West Virginia	19,445	3,304	1,208	23,957
Total	406,472	61,541	9,536	477,549

Truck + Trailer							
State	**2+2**	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Delaware	182	69	21	0	0	0	272
District of Columbia	0	0	2	0	0	0	2
Florida	1,040	593	481	197	0	0	2,311
Georgia	3,660	1,395	767	336	75	0	6,233
Maryland	1,282	756	338	0	0	54	2,430
North Carolina	2,832	569	1,201	432	0	0	5,034
South Carolina	1,749	295	282	138	14	0	2,478
Virginia	695	796	376	256	85	0	2,209
West Virginia	299	217	65	14	0	0	594
Total	11,739	4,689	3,532	1,373	175	54	21,561

Tractor + Semitrailer										
State	**2-S1**	**2-S2**	**2-*S3**	**3-S1**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Delaware	146	741	21	65	3,212	211	7	217	0	4,620
District of Columbia	2	25	0	3	49	2	0	3	0	83
Florida	2,597	9,494	769	567	19,129	1,133	0	330	47	34,065
Georgia	1,943	5,243	902	674	22,024	601	38	188	150	31,763
Maryland	911	1,983	308	140	7,468	444	23	304	0	11,581
North Carolina	3,148	4,905	286	1,133	24,074	501	72	787	346	35,253
South Carolina	626	1,564	72	538	6,385	400	0	132	43	9,760
Virginia	1,127	3,464	423	586	11,680	528	0	293	147	18,248
West Virginia	260	413	47	51	3,229	111	14	127	14	4,264
Total	10,760	27,833	2,828	3,756	97,250	3,930	153	2,380	747	149,637

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Delaware	0	0	0	0	7	0	0	0	0	0	7
District of Columbia	0	0	0	0	0	0	0	0	0	0	0
Florida	94	0	0	0	0	0	0	0	0	0	94
Georgia	0	0	0	0	0	0	0	0	0	0	0
Maryland	0	0	0	0	0	0	0	0	0	0	0
North Carolina	931	0	0	0	0	0	0	0	0	0	931
South Carolina	0	31	0	0	0	0	0	0	0	0	31
Virginia	261	0	0	0	0	0	0	0	0	0	261
West Virginia	24	0	0	0	0	0	0	0	0	0	24
Total	1,310	31	0	0	7	0	0	0	0	0	1,348

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Delaware	0	0	0	0
District of Columbia	0	0	0	0
Florida	0	0	0	0
Georgia	0	0	0	0
Maryland	0	0	0	0
North Carolina	0	0	0	0
South Carolina	0	0	0	0
Virginia	0	0	0	0
West Virginia	0	0	0	0
Total	0	0	0	0

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet
Traffic Region: South Gulf

Straight Truck				
State	2-axle	3-axle	4-axle	Total
Alabama	39,608	6,191	966	46,765
Arkansas	1,531	578	191	2,300
Kentucky	56,686	9,356	1,401	67,443
Louisiana	41,378	6,063	782	48,223
Mississippi	10,438	2,167	70	12,675
Oklahoma	47,447	8,962	603	57,012
Tennessee	47,896	5,108	1,583	54,587
Texas	128,558	27,507	261	156,326
Total	373,542	65,933	5,857	445,333

Truck + Trailer							
State	2+2	2+*3	3+2	3+*3	*4+2	*4+*3	Total
Alabama	2,144	224	892	73	70	0	3,404
Arkansas	66	29	158	0	0	0	253
Kentucky	508	320	107	43	0	0	978
Louisiana	2,534	437	1,173	172	203	0	4,518
Mississippi	655	106	496	66	14	0	1,337
Oklahoma	4,518	599	653	36	0	0	5,806
Tennessee	1,272	789	406	159	0	31	2,658
Texas	14,329	2,759	2,663	261	0	0	20,012
Total	26,025	5,262	6,550	810	287	31	38,965

Tractor + Semitrailer										
State	2-S1	2-S2	2-*S3	3-S1	3-S2	3-*S3	4-S1	4-S2	4-*S3	Total
Alabama	865	1,994	183	1,048	21,019	905	0	293	251	26,558
Arkansas	176	340	5	146	4,228	131	5	87	5	5,123
Kentucky	824	2,449	70	409	7,760	840	49	285	113	12,800
Louisiana	491	2,340	245	1,006	10,682	1,184	0	342	74	16,365
Mississippi	627	1,620	88	598	7,988	210	31	63	28	11,253
Oklahoma	1,710	2,302	396	1,071	14,238	802	0	252	72	20,843
Tennessee	1,231	3,778	155	1,150	15,340	720	0	569	31	22,974
Texas	5,723	11,077	261	2,381	47,082	3,130	0	652	261	70,567
Total	11,647	25,901	1,403	7,809	128,337	7,922	85	2,543	835	186,483

Tractor + Doubles											
State	2-S1-2	3-S1-2	2-S2-2	3-S2-2	*Other 7-axle	3-S2-3	*Other 8-axle	3-*S2-*4	*Other 9-axle	*Other 10-axle	Total
Alabama	110	37	0	0	0	0	0	0	0	0	147
Arkansas	45	0	0	0	0	0	0	0	0	0	45
Kentucky	253	21	0	0	0	0	0	0	0	0	275
Louisiana	25	0	0	0	0	0	0	0	0	0	25
Mississippi	0	28	0	0	0	0	0	0	0	0	28
Oklahoma	0	72	0	0	0	0	0	0	0	0	72
Tennessee	558	0	0	0	0	0	0	0	0	0	558
Texas	652	130	0	0	0	0	0	0	0	0	783
Total	1,643	289	0	0	0	0	0	0	0	0	1,932

Tractor + Triples				
State	2-S1-2-2	3-S1-2-2	Other	Total
Alabama	0	0	0	0
Arkansas	5	0	0	5
Kentucky	0	0	0	0
Louisiana	0	0	0	0
Mississippi	0	0	0	0
Oklahoma	0	0	0	0
Tennessee	0	0	0	0
Texas	0	0	0	0
Total	5	0	0	5

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet
Traffic Region: West

Straight Truck				
State	**2-axle**	**3-axle**	**4-axle**	**Total**
Alaska	6,745	2,131	177	9,053
Arizona	23,934	3,308	356	27,598
California	178,196	20,663	1,970	200,829
Colorado	45,974	10,474	69	56,517
Hawaii	6,622	1,671	153	8,446
Montana	19,217	3,374	117	22,708
Nevada	6,836	943	36	7,816
Utah	14,046	2,006	336	16,388
Washington	37,949	6,145	531	44,625
Wyoming	11,316	3,325	101	14,743
Idaho	14,422	4,347	113	18,881
New Mexico	15,430	1,575	93	17,098
Oregon	29,560	5,600	156	35,316
Total	410,248	65,563	4,207	480,018

Truck + Trailer							
State	**2+2**	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Alaska	230	38	107	33	4	31	443
Arizona	1,092	154	700	31	0	0	1,978
California	8,192	1,681	6,057	979	113	427	17,449
Colorado	1,593	336	655	46	11	0	2,640
Hawaii	114	5	68	0	0	0	186
Montana	696	109	406	78	32	46	1,368
Nevada	312	39	268	48	9	0	675
Utah	504	188	380	43	41	0	1,155
Washington	1,234	292	2,643	432	0	51	4,653
Wyoming	497	91	205	34	43	9	878
Idaho	840	336	589	79	41	0	1,885
New Mexico	744	184	112	91	0	0	1,131
Oregon	1,396	215	1,855	197	0	0	3,663
Total	17,443	3,667	14,044	2,090	294	564	38,103

Tractor + Semitrailer										
State	**2-S1**	**2-S2**	**2-*S3**	**3-S1**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Alaska	46	132	22	98	808	107	13	222	280	1,730
Arizona	1,509	956	139	235	4,055	157	0	16	0	7,065
California	14,255	13,059	1,916	4,383	36,189	1,566	113	451	0	71,931
Colorado	214	343	11	55	1,053	22	11	0	0	1,709
Hawaii	121	282	10	78	1,099	61	5	150	5	1,809
Montana	217	604	21	100	3,607	263	11	174	121	5,118
Nevada	554	282	58	123	1,639	65	14	26	0	2,762
Utah	614	532	26	118	4,522	280	0	103	32	6,227
Washington	820	1,208	77	212	7,326	392	0	110	26	10,171
Wyoming	151	313	18	72	2,888	187	0	171	61	3,859
Idaho	177	463	32	88	2,671	126	0	17	15	3,589
New Mexico	176	650	33	33	1,546	115	0	16	66	2,635
Oregon	1,243	1,973	24	1,007	9,911	910	24	143	119	15,352
Total	20,098	20,797	2,385	6,602	77,314	4,250	190	1,598	724	133,957

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Alaska	0	9	0	0	4	0	0	13	0	9	35
Arizona	376	16	0	0	0	0	0	0	0	0	391
California	12,585	777	0	0	0	0	0	0	0	0	13,362
Colorado	0	0	0	0	0	0	0	0	0	0	0
Hawaii	14	5	0	0	0	0	0	0	0	0	19
Montana	32	11	0	0	0	0	0	53	0	32	128
Nevada	69	19	0	0	0	0	0	28	0	0	116
Utah	107	41	0	26	0	9	0	152	0	17	351
Washington	179	103	51	282	0	154	0	103	0	0	871
Wyoming	9	54	0	0	0	0	0	0	0	0	63
Idaho	9	44	9	114	0	17	0	35	0	0	227
New Mexico	0	0	0	0	0	0	0	0	0	0	0
Oregon	333	214	0	0	0	0	0	24	0	0	570
Total	13,713	1,290	60	421	4	180	0	408	0	58	16,135

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Alaska	0	0	0	0
Arizona	0	0	0	0
California	0	0	0	0
Colorado	0	0	0	0
Hawaii	0	0	0	0
Montana	0	0	0	0
Nevada	14	0	7	21
Utah	9	0	0	9
Washington	0	26	26	51
Wyoming	0	18	0	18
Idaho	0	0	0	0
New Mexico	0	0	0	0
Oregon	285	24	0	309
Total	308	67	33	408

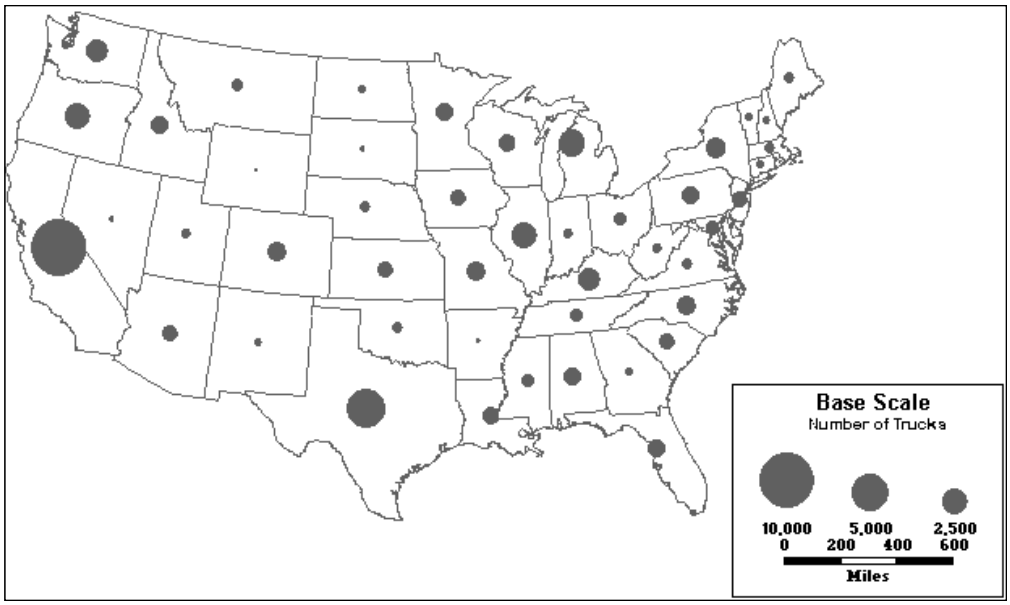
* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

Appendix B

Regional Distributions of
The 5-Axles or More Truck Fleet

Truck+Trailer @ 5-axles (1992)

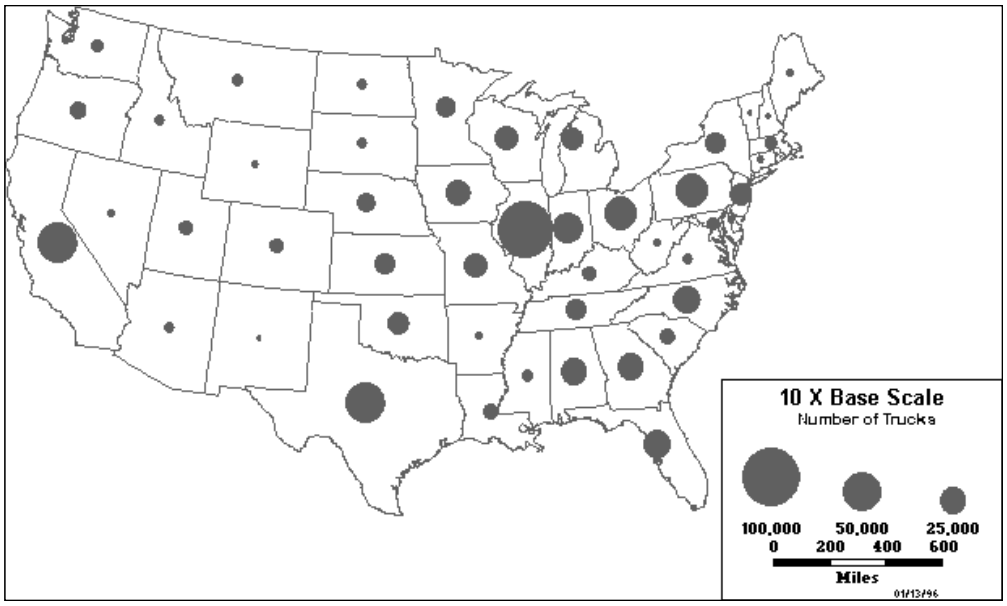


Source: 1992 Truck Inventory and Use Survey

Truck+Trailer @6+axles (1992)

Source: 1992 Truck Inventory and Use Survey

3-S2 (1992)

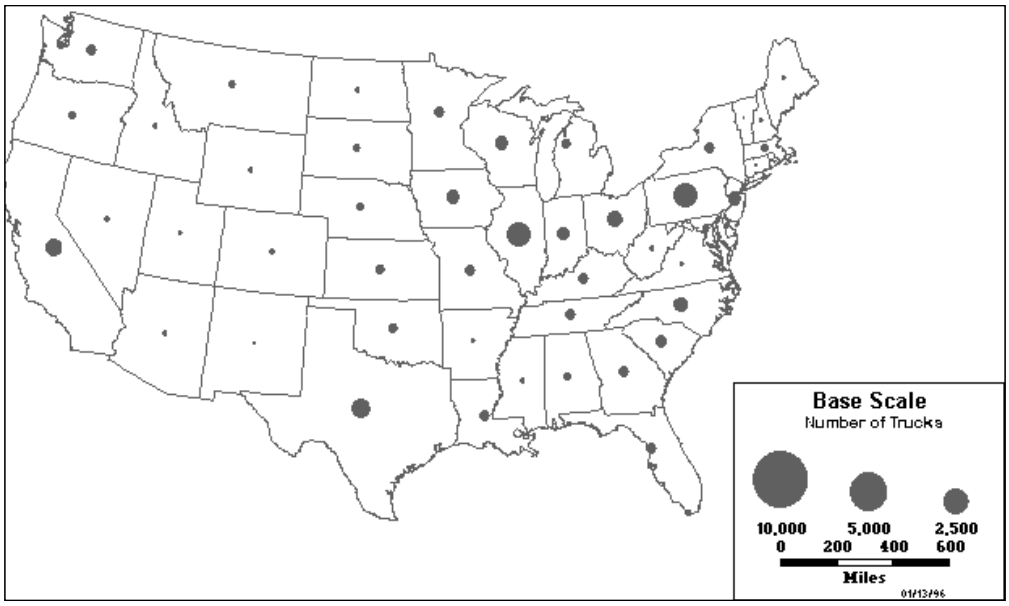


Source: 1992 Truck Inventory and Use Survey

Tridem-axle Tractor-Semi (1992)

Source: 1992 Truck Inventory and Use Survey

4S1(S2) Tractor-Semi (1992)



Source: 1992 Truck Inventory and Use Survey

2-S1-2 STAA Double (1992)

Source: 1992 Truck Inventory and Use Survey

Tractor+Double @ 6+axles (1992)

Source: 1992 Truck Inventory and Use Survey

Tractor-Triple Trailer (1992)

Source: 1992 Truck Inventory and Use Survey

1992 Truck Fleet *(@ 5-axles or more)*
Traffic Region: North Central

Truck + Trailer						
State	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Illinois	0	2,463	0	111	0	2,574
Indiana	221	250	63	156	156	845
Iowa	513	662	30	30	30	1,264
Kansas	259	864	116	0	46	1,285
Michigan	1,772	895	138	522	886	4,213
Minnesota	184	1,209	374	279	98	2,145
Missouri	521	1,024	174	171	0	1,889
Nebraska	107	436	145	164	38	889
North Dakota	0	405	40	97	11	553
Ohio	344	521	0	200	0	1,065
South Dakota	77	83	48	130	41	379
Wisconsin	490	789	47	167	0	1,494
Total	4,488	9,600	1,173	2,027	1,307	18,595

Tractor + Semitrailer							
State	**2-*S3**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Illinois	222	93,996	3,322	0	2,224	222	99,987
Indiana	282	31,989	719	0	813	125	33,928
Iowa	202	23,605	1,014	0	722	266	25,810
Kansas	0	16,613	580	0	463	93	17,749
Michigan	310	20,043	6,698	0	413	619	28,083
Minnesota	47	15,788	1,906	0	505	427	18,673
Missouri	221	22,155	759	0	569	25	23,730
Nebraska	94	13,638	707	0	354	283	15,077
North Dakota	97	5,245	359	29	131	211	6,072
Ohio	501	35,586	2,911	0	1,031	157	40,186
South Dakota	56	4,997	279	68	215	83	5,698
Wisconsin	258	21,759	1,060	24	754	141	23,995
Total	2,290	305,414	20,314	121	8,195	2,653	338,988

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Illinois	5,964	556	438	0	0	0	0	0	0	0	6,957
Indiana	408	0	0	31	0	0	0	31	0	0	471
Iowa	237	30	0	0	0	0	0	0	30	0	296
Kansas	417	93	0	23	23	0	0	0	0	0	556
Michigan	275	69	0	206	34	103	69	1,858	0	413	3,027
Minnesota	95	119	0	0	0	0	24	0	0	0	237
Missouri	120	171	0	0	0	0	0	0	0	0	291
Nebraska	38	19	0	38	0	0	0	0	0	0	94
North Dakota	11	11	68	148	0	0	11	23	0	0	273
Ohio	439	78	0	0	0	0	0	39	0	0	557
South Dakota	25	33	0	66	0	25	0	8	0	68	225
Wisconsin	24	47	0	24	0	0	0	0	0	0	94
Total	8,052	1,225	506	536	58	128	104	1,959	30	481	13,079

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Illinois	0	0	0	0
Indiana	0	0	0	0
Iowa	0	0	0	0
Kansas	0	0	0	0
Michigan	0	0	0	0
Minnesota	0	71	0	71
Missouri	0	0	0	0
Nebraska	0	0	0	0
North Dakota	0	0	0	0
Ohio	0	0	0	0
South Dakota	8	0	0	8
Wisconsin	0	0	0	0
Total	8	71	0	79

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1992 Truck Fleet *(@ 5-axles or more)*
Traffic Region: North East

Truck + Trailer						
State	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Connecticut	231	175	0	58	7	471
Maine	225	297	60	21	0	602
Massachusetts	269	245	0	72	0	586
New Hampshire	142	144	51	16	0	352
Rhode Island	51	56	8	12	0	126
Vermont	91	112	2	33	0	239
New Jersey	429	712	0	0	0	1,140
New York	968	652	167	84	29	1,900
Pennsylvania	348	1,095	405	291	0	2,138
Total	2,753	3,487	693	586	36	7,554

Tractor + Semitrailer							
State	**2-*S3**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Connecticut	36	2,564	154	0	83	76	2,913
Maine	31	3,535	1,112	0	98	57	4,833
Massachusetts	35	6,696	228	0	331	0	7,289
New Hampshire	26	2,158	325	0	131	42	2,682
Rhode Island	36	1,183	54	0	48	6	1,327
Vermont	15	1,299	152	0	32	10	1,507
New Jersey	170	19,391	1,087	0	747	58	21,453
New York	58	17,232	1,609	0	549	87	19,534
Pennsylvania	285	36,180	2,168	0	2,339	342	41,314
Total	691	90,239	6,888	0	4,357	678	102,853

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Connecticut	283	0	0	7	0	0	0	0	0	0	290
Maine	18	0	0	0	0	0	0	0	0	0	18
Massachusetts	128	0	0	0	0	0	0	0	0	0	128
New Hampshire	31	0	0	21	0	0	0	0	0	0	52
Rhode Island	0	0	0	0	0	0	0	0	0	0	0
Vermont	15	0	0	2	0	0	0	0	0	0	17
New Jersey	202	86	29	58	0	0	0	0	0	0	375
New York	113	0	58	514	0	29	29	58	0	0	800
Pennsylvania	627	57	0	0	0	0	0	0	0	0	684
Total	1,417	144	87	602	0	29	29	58	0	0	2,365

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Connecticut	0	0	7	7
Maine	0	0	0	0
Massachusetts	0	0	0	0
New Hampshire	0	0	26	26
Rhode Island	0	0	0	0
Vermont	0	0	0	0
New Jersey	0	0	0	0
New York	0	0	0	0
Pennsylvania	0	0	0	0
Total	0	0	33	33

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1992 Truck Fleet *(@ 5-axles or more)*
Traffic Region: South Atlantic

Truck + Trailer						
State	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Delaware	115	72	4	0	0	192
District of Columbia	0	0	0	0	0	0
Florida	896	473	41	83	0	1,493
Georgia	263	87	0	0	0	349
Maryland	522	288	12	12	0	834
North Carolina	793	684	0	36	36	1,549
South Carolina	625	510	26	39	0	1,200
Virginia	171	367	13	0	0	551
West Virginia	325	106	49	24	0	504
Total	3,711	2,586	145	194	36	6,672

Tractor + Semitrailer							
State	**2-*S3**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Delaware	53	2,465	88	8	201	12	2,828
District of Columbia	0	68	4	0	3	6	81
Florida	248	27,467	1,475	0	497	124	29,812
Georgia	491	24,701	769	0	520	58	26,538
Maryland	61	7,643	491	0	288	12	8,495
North Carolina	72	29,003	790	0	970	216	31,051
South Carolina	26	10,147	301	0	588	39	11,101
Virginia	77	5,440	230	0	102	13	5,862
West Virginia	260	3,044	428	0	149	30	3,912
Total	1,288	109,979	4,576	8	3,318	511	119,681

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Delaware	0	4	0	0	0	0	0	0	0	0	4
District of Columbia	0	0	0	0	0	0	0	0	0	0	0
Florida	568	166	0	83	0	0	0	0	0	0	816
Georgia	144	29	0	0	0	0	0	0	0	0	173
Maryland	0	0	0	0	0	0	0	0	0	0	0
North Carolina	647	180	0	0	0	0	0	0	0	0	826
South Carolina	105	65	52	13	0	0	0	0	0	0	235
Virginia	51	0	0	0	0	0	0	0	13	0	64
West Virginia	71	6	0	0	0	0	0	0	0	0	77
Total	1,586	450	52	96	0	0	0	0	13	0	2,196

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Delaware	0	0	0	0
District of Columbia	0	0	0	0
Florida	0	0	0	0
Georgia	0	0	0	0
Maryland	0	0	0	0
North Carolina	0	0	0	0
South Carolina	0	0	0	0
Virginia	0	0	0	0
West Virginia	0	0	0	0
Total	0	0	0	0

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1992 Truck Fleet *(@ 5-axles or more)*
Traffic Region: South Gulf

Truck + Trailer						
State	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Alabama	289	1,101	24	95	116	1,625
Arkansas	19	73	13	0	0	105
Kentucky	447	86	37	0	0	569
Louisiana	507	680	206	170	0	1,562
Mississippi	106	706	20	39	0	871
Oklahoma	164	394	0	29	0	587
Tennessee	531	302	0	54	0	887
Texas	683	4,666	223	149	0	5,720
Total	2,744	8,008	522	535	116	11,925

Tractor + Semitrailer							
State	**2-*S3**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Alabama	166	24,530	1,080	0	379	142	26,296
Arkansas	83	3,729	112	0	95	10	4,030
Kentucky	282	9,456	1,233	18	484	221	11,694
Louisiana	84	10,670	1,271	0	522	89	12,636
Mississippi	89	5,853	172	20	167	10	6,310
Oklahoma	321	19,050	1,578	29	379	58	21,415
Tennessee	369	16,462	771	0	561	122	18,284
Texas	905	52,550	3,560	0	1,425	219	58,660
Total	2,299	142,300	9,776	67	4,012	871	159,324

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Alabama	189	118	0	0	0	24	0	0	0	0	331
Arkansas	20	0	0	0	0	0	0	0	0	0	20
Kentucky	110	0	0	0	0	0	31	0	0	0	141
Louisiana	240	0	0	0	0	0	0	0	0	0	240
Mississippi	166	0	20	0	0	0	0	0	0	0	186
Oklahoma	29	87	0	29	0	0	0	87	0	0	233
Tennessee	1,234	24	0	0	0	0	0	0	0	0	1,258
Texas	743	0	0	0	0	74	74	74	0	0	965
Total	2,732	230	20	29	0	98	105	162	0	0	3,375

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Alabama	0	0	0	0
Arkansas	0	0	0	0
Kentucky	0	0	0	0
Louisiana	0	0	0	0
Mississippi	0	0	0	0
Oklahoma	0	0	0	0
Tennessee	0	0	0	0
Texas	0	0	0	0
Total	0	0	0	0

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1992 Truck Fleet *(@ 5-axles or more)*
Traffic Region: West

Truck + Trailer						
State	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Alaska	110	224	21	25	11	392
Arizona	254	878	24	24	0	1,179
California	309	10,013	964	964	0	12,249
Colorado	185	1,348	100	65	0	1,698
Hawaii	0	274	27	0	0	301
Montana	0	698	113	74	112	997
Nevada	8	173	26	8	0	216
Utah	20	441	0	107	0	567
Washington	267	1,689	126	267	267	2,617
Wyoming	40	32	0	0	13	85
Idaho	91	1,323	92	70	29	1,604
New Mexico	53	257	10	10	0	330
Oregon	229	2,290	110	166	19	2,814
Total	1,565	19,640	1,612	1,780	451	25,049

Tractor + Semitrailer							
State	**2-*S3**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Alaska	12	1,113	262	0	109	128	1,624
Arizona	116	4,873	318	0	167	12	5,486
California	1,001	53,005	2,118	0	1,232	115	57,472
Colorado	49	9,297	309	0	227	32	9,914
Hawaii	27	1,796	126	0	12	34	1,994
Montana	90	6,348	315	0	260	240	7,252
Nevada	33	3,448	267	0	189	8	3,945
Utah	80	8,880	474	0	89	60	9,584
Washington	151	7,832	820	22	556	706	10,087
Wyoming	27	2,883	399	0	153	113	3,576
Idaho	242	5,048	567	0	169	199	6,225
New Mexico	21	1,294	182	0	62	5	1,563
Oregon	148	11,892	1,346	0	387	433	14,205
Total	1,995	117,711	7,502	22	3,612	2,086	132,927

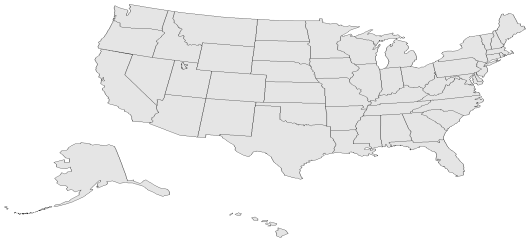
Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Alaska	11	8	0	120	0	25	4	58	0	8	234
Arizona	536	60	72	0	12	0	12	0	0	0	691
California	17,703	231	924	540	577	0	346	0	0	115	20,436
Colorado	81	97	49	16	16	0	16	32	0	0	309
Hawaii	7	7	7	0	7	0	0	0	0	0	27
Montana	28	18	0	528	9	166	92	129	37	0	1,008
Nevada	122	106	0	98	8	35	16	212	0	8	605
Utah	200	239	10	347	0	148	60	308	48	60	1,418
Washington	200	479	0	694	22	323	172	108	22	0	2,018
Wyoming	5	0	5	263	0	46	5	49	0	0	371
Idaho	29	168	0	698	50	138	0	120	0	0	1,203
New Mexico	10	10	0	0	0	0	15	0	0	0	36
Oregon	748	486	19	414	56	860	38	38	0	0	2,658
Total	19,680	1,910	1,084	3,716	758	1,739	777	1,054	107	191	31,015

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Alaska	0	0	11	11
Arizona	0	0	0	0
California	115	0	0	115
Colorado	81	0	0	81
Hawaii	0	0	0	0
Montana	0	9	9	18
Nevada	16	8	8	33
Utah	10	0	10	20
Washington	0	0	22	22
Wyoming	0	9	5	14
Idaho	0	10	10	20
New Mexico	0	0	0	0
Oregon	56	226	19	301
Total	279	262	93	635

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet (@ 5-axles or more)
Number of Trucks in Each Truck Configuration, by Region



Vehicle Group	Regions					
	North Central	North East	South Atlantic	South Gulf	West	Total
Truck + Trailer						
2+*3	5,687	4,283	4,689	5,262	3,667	23,588
3+2	6,734	2,583	3,532	6,550	14,044	33,442
3+*3	1,298	1,023	1,373	810	2,090	6,594
***4+2**	767	494	175	287	294	2,017
***4+*3**	1,331	121	54	31	564	2,100
Subtotal	15,816	8,504	9,822	12,940	20,660	67,742
Tractor + Semitrailer						
2-*S3	3,593	1,178	2,828	1,403	2,385	11,389
3-S2	249,345	81,229	97,250	128,337	77,314	633,475
3-*S3	16,425	4,824	3,930	7,922	4,250	37,350
4-S1	302	106	153	85	190	837
4-S2	4,813	2,222	2,380	2,543	1,598	13,556
4-*S3	2,173	620	747	835	724	5,098
Subtotal	276,651	90,178	107,288	141,126	86,461	701,704
Tractor + Double						
2-S1-2	7,734	519	1,310	1,643	13,713	24,919
3-S1-2	3,318	0	31	289	1,290	4,927
2-S2-2	0	0	0	0	60	60
3-S2-2	0	0	0	0	421	421
Other @ 7-axle	9	0	7	0	4	20
3-S2-3	0	0	0	0	180	180
Other @ 8-axle	0	0	0	0	0	0
3-*S2-*4	1,085	86	0	0	408	1,579
Other @ 9-axle	0	0	0	0	0	0
Other @10-axle	88	0	0	0	58	146
Subtotal	12,233	604	1,348	1,932	16,135	32,252
Tractor + Triples						
2-S1-2-2	9	0	0	5	308	321
3-S1-2-2	0	0	0	0	67	67
Other	0	10	0	0	33	43
Subtotal	9	10	0	5	408	432
Total	304,709	99,297	118,458	156,003	123,663	802,130

* Note: Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet *(@ 5-axles or more)*
Traffic Region: North Central

Truck + Trailer						
State	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Illinois	407	766	0	0	0	1,173
Indiana	494	570	220	0	0	1,284
Iowa	0	291	0	0	0	291
Kansas	243	534	162	0	0	939
Michigan	602	441	238	150	759	2,191
Minnesota	385	781	187	269	0	1,623
Missouri	294	869	294	0	0	1,457
Nebraska	137	729	67	0	184	1,116
North Dakota	324	366	73	41	38	842
Ohio	2,256	425	0	0	144	2,825
South Dakota	126	172	56	26	0	379
Wisconsin	420	790	0	281	205	1,696
Total	5,687	6,734	1,298	767	1,331	15,816

Tractor + Semitrailer							
State	**2-*S3**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Illinois	855	74,597	1,992	188	1,545	778	79,955
Indiana	136	28,343	904	45	407	45	29,879
Iowa	170	17,235	613	0	291	99	18,408
Kansas	137	12,045	459	19	174	19	12,851
Michigan	485	15,638	5,173	0	529	132	21,958
Minnesota	106	10,964	1,294	25	438	393	13,220
Missouri	153	16,988	840	0	277	0	18,258
Nebraska	76	15,756	591	0	395	92	16,909
North Dakota	19	3,571	469	0	102	67	4,227
Ohio	1,004	35,601	2,687	0	365	73	39,731
South Dakota	17	4,150	111	26	133	0	4,436
Wisconsin	436	14,458	1,293	0	158	474	16,819
Total	3,593	249,345	16,425	302	4,813	2,173	276,651

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Illinois	5,872	2,629	0	0	0	0	0	0	0	0	8,501
Indiana	0	90	0	0	0	0	0	0	0	0	90
Iowa	0	96	0	0	0	0	0	0	0	0	96
Kansas	260	93	0	0	0	0	0	0	0	0	353
Michigan	132	44	0	0	0	0	0	1,077	0	88	1,341
Minnesota	0	0	0	0	0	0	0	0	0	0	0
Missouri	30	60	0	0	0	0	0	0	0	0	90
Nebraska	479	177	0	0	0	0	0	0	0	0	656
North Dakota	10	0	0	0	0	0	0	0	0	0	10
Ohio	871	73	0	0	0	0	0	0	0	0	944
South Dakota	0	56	0	0	9	0	0	9	0	0	73
Wisconsin	79	0	0	0	0	0	0	0	0	0	79
Total	7,734	3,318	0	0	9	0	0	1,085	0	88	12,233

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Illinois	0	0	0	0
Indiana	0	0	0	0
Iowa	0	0	0	0
Kansas	0	0	0	0
Michigan	0	0	0	0
Minnesota	0	0	0	0
Missouri	0	0	0	0
Nebraska	0	0	0	0
North Dakota	0	0	0	0
Ohio	0	0	0	0
South Dakota	9	0	0	9
Wisconsin	0	0	0	0
Total	9	0	0	9

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet *(@ 5-axles or more)*
Traffic Region: North East

	Truck + Trailer					
State	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Connecticut	157	70	24	35	24	309
Maine	265	163	159	19	31	637
Massachusetts	676	327	99	50	0	1,153
New Hampshire	204	119	37	45	17	423
Rhode Island	110	82	7	7	7	214
Vermont	102	43	13	9	0	167
New Jersey	532	164	288	0	41	1,026
New York	1,088	1,040	396	0	0	2,524
Pennsylvania	1,149	574	0	330	0	2,053
Total	4,283	2,583	1,023	494	121	8,504

	Tractor + Semitrailer						
State	**2-*S3**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Connecticut	22	2,864	177	22	100	11	3,196
Maine	90	3,265	830	10	109	78	4,384
Massachusetts	78	8,123	625	0	220	0	9,047
New Hampshire	55	2,373	127	8	93	25	2,682
Rhode Island	6	1,157	53	7	41	0	1,265
Vermont	21	1,236	38	0	13	4	1,313
New Jersey	205	16,544	821	0	452	164	18,187
New York	187	15,572	701	0	322	47	16,828
Pennsylvania	513	30,095	1,451	58	871	290	33,278
Total	1,178	81,229	4,824	106	2,222	620	90,178

	Tractor + Doubles										
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Connecticut	44	0	0	0	0	0	0	0	0	0	44
Maine	50	0	0	0	0	0	0	10	0	0	61
Massachusetts	28	0	0	0	0	0	0	28	0	0	57
New Hampshire	0	0	0	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0	0
New York	280	0	0	0	0	0	0	47	0	0	327
Pennsylvania	116	0	0	0	0	0	0	0	0	0	116
Total	519	0	0	0	0	0	0	86	0	0	604

	Tractor + Triples			
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Connecticut	0	0	0	0
Maine	0	0	10	10
Massachusetts	0	0	0	0
New Hampshire	0	0	0	0
Rhode Island	0	0	0	0
Vermont	0	0	0	0
New Jersey	0	0	0	0
New York	0	0	0	0
Pennsylvania	0	0	0	0
Total	0	0	10	10

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet *(@ 5-axles or more)*
Traffic Region: South Atlantic

Truck + Trailer						
State	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Delaware	69	21	0	0	0	90
District of Columbia	0	2	0	0	0	2
Florida	593	481	197	0	0	1,271
Georgia	1,395	767	336	75	0	2,572
Maryland	756	338	0	0	54	1,148
North Carolina	569	1,201	432	0	0	2,201
South Carolina	295	282	138	14	0	729
Virginia	796	376	256	85	0	1,513
West Virginia	217	65	14	0	0	295
Total	4,689	3,532	1,373	175	54	9,822

Tractor + Semitrailer							
State	**2-*S3**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Delaware	21	3,212	211	7	217	0	3,667
District of Columbia	0	49	2	0	3	0	53
Florida	769	19,129	1,133	0	330	47	21,408
Georgia	902	22,024	601	38	188	150	23,903
Maryland	308	7,468	444	23	304	0	8,547
North Carolina	286	24,074	501	72	787	346	26,066
South Carolina	72	6,385	400	0	132	43	7,031
Virginia	423	11,680	528	0	293	147	13,071
West Virginia	47	3,229	111	14	127	14	3,541
Total	2,828	97,250	3,930	153	2,380	747	107,288

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Delaware	0	0	0	0	7	0	0	0	0	0	7
District of Columbia	0	0	0	0	0	0	0	0	0	0	0
Florida	94	0	0	0	0	0	0	0	0	0	94
Georgia	0	0	0	0	0	0	0	0	0	0	0
Maryland	0	0	0	0	0	0	0	0	0	0	0
North Carolina	931	0	0	0	0	0	0	0	0	0	931
South Carolina	0	31	0	0	0	0	0	0	0	0	31
Virginia	261	0	0	0	0	0	0	0	0	0	261
West Virginia	24	0	0	0	0	0	0	0	0	0	24
Total	1,310	31	0	0	7	0	0	0	0	0	1,348

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Delaware	0	0	0	0
District of Columbia	0	0	0	0
Florida	0	0	0	0
Georgia	0	0	0	0
Maryland	0	0	0	0
North Carolina	0	0	0	0
South Carolina	0	0	0	0
Virginia	0	0	0	0
West Virginia	0	0	0	0
Total	0	0	0	0

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet *(@ 5-axles or more)*
Traffic Region: South Gulf

	Truck + Trailer					
State	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Alabama	224	892	73	70	0	1,259
Arkansas	29	158	0	0	0	187
Kentucky	320	107	43	0	0	471
Louisiana	437	1,173	172	203	0	1,984
Mississippi	106	496	66	14	0	682
Oklahoma	599	653	36	0	0	1,289
Tennessee	789	406	159	0	31	1,385
Texas	2,759	2,663	261	0	0	5,683
Total	5,262	6,550	810	287	31	12,940

	Tractor + Semitrailer						
State	**2-*S3**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Alabama	183	21,019	905	0	293	251	22,651
Arkansas	5	4,228	131	5	87	5	4,461
Kentucky	70	7,760	840	49	285	113	9,117
Louisiana	245	10,682	1,184	0	342	74	12,528
Mississippi	88	7,988	210	31	63	28	8,408
Oklahoma	396	14,238	802	0	252	72	15,760
Tennessee	155	15,340	720	0	569	31	16,815
Texas	261	47,082	3,130	0	652	261	51,386
Total	1,403	128,337	7,922	85	2,543	835	141,126

	Tractor + Doubles										
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Alabama	110	37	0	0	0	0	0	0	0	0	147
Arkansas	45	0	0	0	0	0	0	0	0	0	45
Kentucky	253	21	0	0	0	0	0	0	0	0	275
Louisiana	25	0	0	0	0	0	0	0	0	0	25
Mississippi	0	28	0	0	0	0	0	0	0	0	28
Oklahoma	0	72	0	0	0	0	0	0	0	0	72
Tennessee	558	0	0	0	0	0	0	0	0	0	558
Texas	652	130	0	0	0	0	0	0	0	0	783
Total	1,643	289	0	0	0	0	0	0	0	0	1,932

	Tractor + Triples			
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Alabama	0	0	0	0
Arkansas	5	0	0	5
Kentucky	0	0	0	0
Louisiana	0	0	0	0
Mississippi	0	0	0	0
Oklahoma	0	0	0	0
Tennessee	0	0	0	0
Texas	0	0	0	0
Total	5	0	0	5

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

1987 Truck Fleet *(@ 5-axles or more)*
Traffic Region: West

Truck + Trailer						
State	**2+*3**	**3+2**	**3+*3**	***4+2**	***4+*3**	**Total**
Alaska	38	107	33	4	31	213
Arizona	154	700	31	0	0	886
California	1,681	6,057	979	113	427	9,257
Colorado	336	655	46	11	0	1,048
Hawaii	5	68	0	0	0	73
Montana	109	406	78	32	46	672
Nevada	39	268	48	9	0	363
Utah	188	380	43	41	0	651
Washington	292	2,643	432	0	51	3,419
Wyoming	91	205	34	43	9	381
Idaho	336	589	79	41	0	1,045
New Mexico	184	112	91	0	0	387
Oregon	215	1,855	197	0	0	2,267
Total	3,667	14,044	2,090	294	564	20,660

Tractor + Semitrailer							
State	**2-*S3**	**3-S2**	**3-*S3**	**4-S1**	**4-S2**	**4-*S3**	**Total**
Alaska	22	808	107	13	222	280	1,453
Arizona	139	4,055	157	0	16	0	4,366
California	1,916	36,189	1,566	113	451	0	40,234
Colorado	11	1,053	22	11	0	0	1,097
Hawaii	10	1,099	61	5	150	5	1,328
Montana	21	3,607	263	11	174	121	4,198
Nevada	58	1,639	65	14	26	0	1,802
Utah	26	4,522	280	0	103	32	4,963
Washington	77	7,326	392	0	110	26	7,931
Wyoming	18	2,888	187	0	171	61	3,324
Idaho	32	2,671	126	0	17	15	2,861
New Mexico	33	1,546	115	0	16	66	1,776
Oregon	24	9,911	910	24	143	119	11,130
Total	2,385	77,314	4,250	190	1,598	724	86,461

Tractor + Doubles											
State	**2-S1-2**	**3-S1-2**	**2-S2-2**	**3-S2-2**	***Other 7-axle**	**3-S2-3**	***Other 8-axle**	**3-*S2-*4**	***Other 9-axle**	***Other 10-axle**	**Total**
Alaska	0	9	0	0	4	0	0	13	0	9	35
Arizona	376	16	0	0	0	0	0	0	0	0	391
California	12,585	777	0	0	0	0	0	0	0	0	13,362
Colorado	0	0	0	0	0	0	0	0	0	0	0
Hawaii	14	5	0	0	0	0	0	0	0	0	19
Montana	32	11	0	0	0	0	0	53	0	32	128
Nevada	69	19	0	0	0	0	0	28	0	0	116
Utah	107	41	0	26	0	9	0	152	0	17	351
Washington	179	103	51	282	0	154	0	103	0	0	871
Wyoming	9	54	0	0	0	0	0	0	0	0	63
Idaho	9	44	9	114	0	17	0	35	0	0	227
New Mexico	0	0	0	0	0	0	0	0	0	0	0
Oregon	333	214	0	0	0	0	0	24	0	0	570
Total	13,713	1,290	60	421	4	180	0	408	0	58	16,135

Tractor + Triples				
State	**2-S1-2-2**	**3-S1-2-2**	**Other**	**Total**
Alaska	0	0	0	0
Arizona	0	0	0	0
California	0	0	0	0
Colorado	0	0	0	0
Hawaii	0	0	0	0
Montana	0	0	0	0
Nevada	14	0	7	21
Utah	9	0	0	9
Washington	0	26	26	51
Wyoming	0	18	0	18
Idaho	0	0	0	0
New Mexico	0	0	0	0
Oregon	285	24	0	309
Total	308	67	33	408

* Number of axles equal to or more than specified number.

** Excludes pickups, mini-vans, utility sports, station wagons, trucks or truck-tractors with 4-tires, and trucks pulling 1-axle trailer or 1-axle utility trailer.

Appendix C

Detailed Body Type
Analysis by the 5 Regions
For the 5-Axles or More Truck Fleet

1992 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group
At the National Level

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle or more	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	34	0	374	0	111	319	9	0	848
Platform with Devices	1,981	161	5,297	878	222	115	150	0	8,803
Low Boy Platform	2,913	887	36,710	16,739	1,322	482	437	49	59,540
Basic Platform	13,202	1,279	122,023	6,906	5,517	4,640	3,622	36	157,223
Livestock Truck	885	78	10,012	389	575	440	116	0	12,496
Insulated Non-refrigerated Van	134	0	9,391	662	192	255	31	0	10,666
Insulated Refrigerated Van	669	78	95,224	2,203	2,293	513	812	109	101,900
Drop Frame Van	34	11	15,514	476	314	1,611	259	99	18,320
Open Top Van	609	84	7,876	1,319	326	127	512	10	10,862
Basic Enclosed Van	1,576	106	253,777	6,917	4,359	20,812	4,933	401	292,881
Beverage Truck	0	0	1,393	0	76	59	38	0	1,567
Utility Truck	1,422	47	338	167	0	0	0	0	1,974
Winch/Crane Truck	1,091	117	1,597	604	75	0	0	0	3,484
Wrecker	0	9	127	47	0	0	0	0	183
Pole, Logging Truck	4,147	815	22,313	2,476	1,084	0	418	0	31,253
Auto Transport	717	0	13,164	515	230	0	0	0	14,626
Service Truck	281	0	46	0	0	0	0	0	327
Yard Tractor	0	10	2,304	57	4	0	0	0	2,375
Oilfield Truck	699	23	3,165	320	138	0	5	0	4,350
Grain Bodies	3,342	579	32,697	1,224	1,461	946	968	0	41,217
Garbage Truck	578	176	2,195	281	254	0	0	0	3,483
Dump Truck	20,666	5,430	51,301	12,891	3,084	1,780	3,680	34	98,865
Tank Truck For Liquid or Gases	2,759	1,327	61,043	4,261	1,546	127	1,470	9	72,543
Tank Truck For Dry Bulk	224	29	15,809	606	503	1,240	1,006	0	19,417
Concrete Mixer	123	0	351	145	0	0	0	0	618
Other	200	262	1,602	4,337	27	0	97	0	6,525
Total	58,286	11,509	765,642	64,418	23,712	33,468	18,564	747	976,345

1992 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group

Traffic Region: North Central

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	0	0	222	0	111	0	0	0	333
Platform with Devices	594	113	1,889	383	11	0	34	0	3,025
Low Boy Platform	1,079	116	13,235	6,433	327	373	179	0	21,741
Basic Platform	3,285	649	42,794	3,322	1,572	63	426	0	52,110
Livestock Truck	8	0	5,451	102	264	0	0	0	5,825
Insulated Non-refrigerated Van	134	0	3,387	246	75	127	11	0	3,980
Insulated Refrigerated Van	111	0	38,268	877	1,160	47	259	71	40,793
Drop Frame Van	0	11	7,467	82	137	266	111	8	8,082
Open Top Van	0	0	1,386	111	78	0	0	0	1,576
Basic Enclosed Van	362	0	110,884	2,599	1,850	6,942	1,431	0	124,067
Beverage Truck	0	0	226	0	24	47	0	0	297
Utility Truck	0	34	23	0	0	0	0	0	58
Winch/Crane Truck	529	107	384	240	71	0	0	0	1,330
Wrecker	0	0	46	34	0	0	0	0	80
Pole, Logging Truck	460	381	1,762	497	291	0	0	0	3,391
Auto Transport	679	0	9,622	402	186	0	0	0	10,889
Service Truck	0	0	39	0	0	0	0	0	39
Yard Tractor	0	0	509	0	0	0	0	0	509
Oilfield Truck	35	23	347	82	0	0	0	0	486
Grain Bodies	1,983	459	21,758	807	1,081	187	209	0	26,484
Garbage Truck	135	161	481	172	0	0	0	0	949
Dump Truck	4,158	2,267	16,164	6,008	596	0	2,169	0	31,361
Tank Truck For Liquid or Gases	480	186	22,292	1,708	222	0	56	0	24,943
Tank Truck For Dry Bulk	25	0	6,553	279	254	0	142	0	7,253
Concrete Mixer	24	0	161	145	0	0	0	0	329
Other	8	0	66	730	8	0	0	0	812
Total	14,087	4,507	305,414	25,258	8,316	8,052	5,027	79	370,741

1992 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group

Traffic Region: North East

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	0	0	2	0	0	0	0	0	2
Platform with Devices	527	35	756	100	71	0	0	0	1,489
Low Boy Platform	71	114	5,168	2,022	239	57	5	0	7,676
Basic Platform	1,057	25	13,174	1,346	606	69	2	0	16,279
Livestock Truck	0	0	291	6	0	0	29	0	326
Insulated Non-refrigerated Van	0	0	781	0	92	0	0	0	873
Insulated Refrigerated Van	65	0	9,288	276	200	12	87	0	9,927
Drop Frame Van	0	0	1,891	69	46	410	57	26	2,499
Open Top Van	29	0	895	295	106	0	0	0	1,326
Basic Enclosed Van	135	84	35,425	673	1,189	870	539	7	38,921
Beverage Truck	0	0	254	0	34	0	29	0	317
Utility Truck	439	0	29	0	0	0	0	0	468
Winch/Crane Truck	6	0	114	0	0	0	0	0	120
Wrecker	0	0	0	0	0	0	0	0	0
Pole, Logging Truck	17	62	681	721	21	0	0	0	1,501
Auto Transport	0	0	527	2	12	0	0	0	541
Service Truck	0	0	7	0	0	0	0	0	7
Yard Tractor	0	0	302	2	0	0	0	0	304
Oilfield Truck	0	0	31	0	30	0	0	0	61
Grain Bodies	58	0	403	26	60	0	0	0	547
Garbage Truck	2	15	845	109	230	0	0	0	1,202
Dump Truck	3,684	973	7,893	2,188	1,020	0	0	0	15,759
Tank Truck For Liquid or Gases	99	0	9,469	281	396	0	58	0	10,302
Tank Truck For Dry Bulk	8	29	1,878	58	6	0	113	0	2,091
Concrete Mixer	0	0	2	0	0	0	0	0	2
Other	20	0	133	83	0	0	29	0	264
Total	6,218	1,336	90,238	8,256	4,357	1,417	948	33	112,804

1992 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group

Traffic Region: South Atlantic

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	0	0	140	0	0	319	0	0	460
Platform with Devices	187	12	847	58	35	0	0	0	1,140
Low Boy Platform	503	78	5,829	1,785	294	52	65	0	8,606
Basic Platform	1,728	60	17,526	513	784	0	0	0	20,611
Livestock Truck	299	0	769	25	101	0	0	0	1,194
Insulated Non-refrigerated Van	0	0	1,305	4	4	29	0	0	1,342
Insulated Refrigerated Van	137	36	14,181	281	275	26	61	0	14,995
Drop Frame Van	0	0	1,668	70	4	237	0	0	1,978
Open Top Van	83	41	1,955	36	75	0	0	0	2,191
Basic Enclosed Van	172	23	38,505	983	483	923	481	0	41,570
Beverage Truck	0	0	357	0	0	0	0	0	357
Utility Truck	189	12	123	0	0	0	0	0	324
Winch/Crane Truck	0	0	43	29	0	0	0	0	72
Wrecker	0	0	27	12	0	0	0	0	40
Pole, Logging Truck	169	26	6,718	305	209	0	0	0	7,427
Auto Transport	0	0	668	48	13	0	0	0	729
Service Truck	281	0	0	0	0	0	0	0	281
Yard Tractor	0	0	504	0	0	0	0	0	504
Oilfield Truck	0	0	0	0	0	0	0	0	0
Grain Bodies	4	0	1,429	38	61	0	4	0	1,535
Garbage Truck	0	0	286	0	0	0	0	0	286
Dump Truck	2,091	80	6,180	931	467	0	0	0	9,750
Tank Truck For Liquid or Gases	64	6	8,221	217	386	0	0	0	8,893
Tank Truck For Dry Bulk	12	0	2,574	35	137	0	0	0	2,758
Concrete Mixer	43	0	85	0	0	0	0	0	128
Other	83	252	39	1,005	0	0	0	0	1,380
Total	6,044	628	109,979	6,375	3,327	1,586	611	0	128,549

1992 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group

Traffic Region: South Gulf

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	0	0	0	0	0	0	0	0	0
Platform with Devices	68	0	912	134	84	0	0	0	1,198
Low Boy Platform	934	549	6,632	4,547	214	0	24	0	12,901
Basic Platform	2,499	126	23,330	873	1,005	0	181	0	28,013
Livestock Truck	361	74	1,746	103	74	0	0	0	2,360
Insulated Non-refrigerated Van	0	0	1,604	66	5	95	0	0	1,770
Insulated Refrigerated Van	149	24	12,670	194	536	64	47	0	13,683
Drop Frame Van	0	0	1,933	93	74	340	24	0	2,465
Open Top Van	63	32	1,856	98	14	0	0	0	2,063
Basic Enclosed Van	317	0	44,762	764	732	2,234	218	0	49,028
Beverage Truck	0	0	215	0	0	0	0	0	215
Utility Truck	710	0	5	167	0	0	0	0	881
Winch/Crane Truck	280	0	323	305	0	0	0	0	907
Wrecker	0	0	0	0	0	0	0	0	0
Pole, Logging Truck	1,048	100	6,008	394	164	0	149	0	7,862
Auto Transport	0	0	1,369	53	19	0	0	0	1,441
Service Truck	0	0	0	0	0	0	0	0	0
Yard Tractor	0	0	635	33	0	0	0	0	668
Oilfield Truck	638	0	2,388	201	103	0	0	0	3,330
Grain Bodies	1,002	0	6,221	83	144	0	0	0	7,449
Garbage Truck	0	0	279	0	24	0	0	0	303
Dump Truck	2,246	164	10,089	1,988	468	0	0	0	14,956
Tank Truck For Liquid or Gases	307	103	15,157	958	334	0	0	0	16,859
Tank Truck For Dry Bulk	28	0	3,678	29	82	0	0	0	3,818
Concrete Mixer	29	0	54	0	0	0	0	0	83
Other	74	0	433	1,864	0	0	0	0	2,371
Total	10,752	1,173	142,300	12,946	4,079	2,732	644	0	174,625

1992 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group

Traffic Region: West

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	34	0	9	0	0	0	9	0	53
Platform with Devices	606	0	894	202	20	115	115	0	1,952
Low Boy Platform	326	30	5,845	1,953	248	0	164	49	8,615
Basic Platform	4,634	418	25,199	852	1,551	4,508	3,012	36	40,210
Livestock Truck	217	4	1,755	153	136	440	87	0	2,792
Insulated Non-refrigerated Van	0	0	2,314	346	16	4	20	0	2,701
Insulated Refrigerated Van	208	19	20,817	575	122	365	358	38	22,502
Drop Frame Van	34	0	2,556	163	54	359	67	65	3,297
Open Top Van	434	10	1,783	778	52	127	512	10	3,707
Basic Enclosed Van	590	0	24,201	1,898	105	9,844	2,264	394	39,296
Beverage Truck	0	0	340	0	19	12	9	0	380
Utility Truck	85	0	158	0	0	0	0	0	243
Winch/Crane Truck	276	10	735	30	4	0	0	0	1,055
Wrecker	0	9	54	0	0	0	0	0	63
Pole, Logging Truck	2,452	247	7,145	560	399	0	270	0	11,072
Auto Transport	38	0	978	10	0	0	0	0	1,027
Service Truck	0	0	0	0	0	0	0	0	0
Yard Tractor	0	10	353	21	4	0	0	0	389
Oilfield Truck	27	0	399	37	5	0	5	0	472
Grain Bodies	295	120	2,886	271	116	759	755	0	5,202
Garbage Truck	440	0	304	0	0	0	0	0	745
Dump Truck	8,486	1,946	10,974	1,776	533	1,780	1,511	34	27,040
Tank Truck For Liquid or Gases	1,811	1,032	5,905	1,098	208	127	1,356	9	11,546
Tank Truck For Dry Bulk	151	0	1,126	205	23	1,240	751	0	3,497
Concrete Mixer	27	0	49	0	0	0	0	0	76
Other	14	10	932	655	19	0	68	0	1,698
Total	21,184	3,865	117,711	11,583	3,633	19,681	11,335	635	189,627

1987 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group
At the National Level

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle or more	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	352	50	920	0	0	0	0	0	1,322
Platform with Devices	1,586	905	6,563	1,192	200	113	26	0	10,583
Low Boy Platform	4,806	715	31,456	14,107	1,477	134	125	74	52,895
Basic Platform	15,414	1,459	129,473	9,446	3,136	2,542	1,054	34	162,557
Livestock Truck	1,165	197	10,377	510	144	0	17	0	12,410
Insulated Non-refrigerated Van	119	163	11,238	326	260	113	4	24	12,246
Insulated Refrigerated Van	450	84	68,734	2,140	984	277	72	0	72,741
Drop Frame Van	109	38	12,703	965	472	1,571	130	9	15,995
Open Top Van	330	57	5,888	586	128	0	68	0	7,056
Basic Enclosed Van	1,991	570	191,619	6,362	2,588	15,984	3,544	275	222,932
Beverage Truck	0	0	490	94	22	113	0	0	719
Utility Truck	1,445	8	63	0	0	0	0	0	1,517
Winch/Crane Truck	1,473	214	1,540	243	9	0	0	0	3,480
Wrecker	181	55	190	11	0	0	0	0	437
Pole, Logging Truck	4,048	668	16,045	1,250	587	0	9	0	22,607
Auto Transport	262	5	9,898	136	305	0	0	0	10,606
Service Truck	338	0	15	0	0	0	0	0	353
Yard Tractor	4	0	1,908	76	12	0	0	0	2,000
Oilfield Truck	155	10	2,166	216	212	0	0	0	2,759
Grain Bodies	1,251	482	20,042	1,226	496	1,298	664	0	25,460
Garbage Truck	51	0	945	140	0	0	31	0	1,167
Dump Truck	17,792	4,054	45,947	10,048	1,967	1,352	1,039	17	82,216
Tank Truck For Liquid or Gases	2,439	386	51,018	2,829	1,068	679	105	0	58,524
Tank Truck For Dry Bulk	178	110	13,536	737	270	744	445	0	16,020
Concrete Mixer	5	670	230	48	0	0	0	0	952
Other	726	174	468	1,150	57	0	0	0	2,575
Total	56,669	11,073	633,473	53,837	14,393	24,918	7,333	432	802,127

1987 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group

Traffic Region: North Central

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	352	0	351	0	0	0	0	0	703
Platform with Devices	487	242	1,394	635	82	0	0	0	2,841
Low Boy Platform	600	209	9,856	5,969	163	88	45	0	16,932
Basic Platform	3,066	629	51,920	4,601	1,187	156	250	0	61,808
Livestock Truck	612	166	4,817	65	77	0	9	0	5,746
Insulated Non-refrigerated Van	53	0	5,286	98	104	0	0	0	5,542
Insulated Refrigerated Van	55	0	30,438	940	239	0	0	0	31,673
Drop Frame Van	0	0	7,006	89	89	598	130	9	7,921
Open Top Van	25	0	910	25	0	0	0	0	960
Basic Enclosed Van	642	45	81,913	1,772	1,415	6,836	2,850	0	95,472
Beverage Truck	0	0	176	0	22	0	0	0	198
Utility Truck	262	0	0	0	0	0	0	0	262
Winch/Crane Truck	90	44	211	25	0	0	0	0	370
Wrecker	0	0	36	0	0	0	0	0	36
Pole, Logging Truck	51	116	549	142	34	0	0	0	892
Auto Transport	44	0	4,416	25	294	0	0	0	4,778
Service Truck	162	0	0	0	0	0	0	0	162
Yard Tractor	0	0	495	0	0	0	0	0	495
Oilfield Truck	28	10	181	54	90	0	0	0	362
Grain Bodies	825	311	13,169	762	299	56	272	0	15,695
Garbage Truck	0	0	335	45	0	0	0	0	380
Dump Truck	4,275	1,431	13,757	4,736	714	0	768	0	25,681
Tank Truck For Liquid or Gases	518	48	16,778	1,315	297	0	44	0	19,000
Tank Truck For Dry Bulk	0	0	4,938	431	0	0	132	0	5,502
Concrete Mixer	0	242	175	0	0	0	0	0	417
Other	0	174	238	460	9	0	0	0	881
Total	12,148	3,668	249,344	22,191	5,115	7,734	4,499	9	304,708

1987 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group

Traffic Region: North East

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	0	0	113	0	0	0	0	0	113
Platform with Devices	150	189	1,127	151	14	0	0	0	1,633
Low Boy Platform	335	372	5,414	1,716	360	0	0	0	8,197
Basic Platform	2,772	84	16,796	777	261	0	28	10	20,730
Livestock Truck	0	0	242	0	8	0	0	0	250
Insulated Non-refrigerated Van	41	19	998	77	49	0	0	0	1,184
Insulated Refrigerated Van	0	0	6,850	215	173	0	0	0	7,238
Drop Frame Van	0	0	1,730	10	41	0	0	0	1,782
Open Top Van	0	0	690	130	0	0	10	0	831
Basic Enclosed Van	6	8	26,049	627	562	519	47	0	27,817
Beverage Truck	0	0	127	0	0	0	0	0	127
Utility Truck	28	8	11	0	0	0	0	0	48
Winch/Crane Truck	57	50	118	0	0	0	0	0	225
Wrecker	50	47	59	6	0	0	0	0	161
Pole, Logging Truck	11	77	537	482	162	0	0	0	1,268
Auto Transport	0	0	1,355	50	6	0	0	0	1,411
Service Truck	0	0	0	0	0	0	0	0	0
Yard Tractor	0	0	161	0	0	0	0	0	161
Oilfield Truck	0	0	10	0	0	0	0	0	10
Grain Bodies	0	0	309	4	0	0	0	0	313
Garbage Truck	0	0	291	69	0	0	0	0	361
Dump Truck	3,285	734	7,710	1,938	352	0	0	0	14,020
Tank Truck For Liquid or Gases	21	0	8,568	236	339	0	0	0	9,163
Tank Truck For Dry Bulk	0	82	1,949	58	0	0	0	0	2,089
Concrete Mixer	0	0	14	0	0	0	0	0	14
Other	75	0	0	75	0	0	0	0	150
Total	6,832	1,672	81,228	6,622	2,328	519	86	10	99,297

1987 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group

Traffic Region: South Atlantic

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	0	0	360	0	0	0	0	0	360
Platform with Devices	126	277	1,249	23	95	0	0	0	1,771
Low Boy Platform	1,290	59	5,375	1,810	483	0	0	0	9,018
Basic Platform	2,345	123	18,123	979	703	0	0	0	22,273
Livestock Truck	0	0	809	72	0	0	0	0	881
Insulated Non-refrigerated Van	0	0	1,278	47	16	0	0	0	1,341
Insulated Refrigerated Van	0	47	11,360	289	383	47	0	0	12,126
Drop Frame Van	16	38	1,104	758	72	523	0	0	2,510
Open Top Van	72	0	1,653	38	38	0	0	0	1,799
Basic Enclosed Van	62	380	31,571	1,305	228	739	7	0	34,292
Beverage Truck	0	0	153	94	0	0	0	0	248
Utility Truck	710	0	47	0	0	0	0	0	757
Winch/Crane Truck	335	85	24	0	0	0	0	0	444
Wrecker	0	0	52	0	0	0	0	0	52
Pole, Logging Truck	548	38	3,772	147	82	0	0	0	4,587
Auto Transport	47	0	1,360	62	0	0	0	0	1,468
Service Truck	0	0	0	0	0	0	0	0	0
Yard Tractor	0	0	443	72	0	0	0	0	515
Oilfield Truck	0	0	0	0	0	0	0	0	0
Grain Bodies	0	0	1,010	81	0	0	0	0	1,091
Garbage Truck	0	0	0	0	0	0	31	0	31
Dump Truck	2,380	488	5,921	841	195	0	0	0	9,825
Tank Truck For Liquid or Gases	0	66	8,394	495	239	0	0	0	9,194
Tank Truck For Dry Bulk	91	0	3,062	51	0	0	0	0	3,204
Concrete Mixer	0	0	14	0	0	0	0	0	14
Other	199	0	114	342	0	0	0	0	655
Total	8,221	1,601	97,249	7,505	2,533	1,310	38	0	118,458

1987 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group

Traffic Region: South Gulf

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	0	0	0	0	0	0	0	0	0
Platform with Devices	455	130	1,827	57	0	0	0	0	2,469
Low Boy Platform	2,195	50	6,191	3,344	247	45	21	5	12,098
Basic Platform	3,389	160	26,366	1,516	550	25	0	0	32,006
Livestock Truck	149	0	3,412	266	43	0	0	0	3,869
Insulated Non-refrigerated Van	25	31	1,337	62	31	0	0	0	1,485
Insulated Refrigerated Van	243	37	10,811	144	121	0	0	0	11,356
Drop Frame Van	93	0	2,031	66	158	290	0	0	2,637
Open Top Van	78	31	1,473	90	37	0	0	0	1,708
Basic Enclosed Van	678	128	35,917	1,405	224	1,283	181	0	39,816
Beverage Truck	0	0	17	0	0	0	0	0	17
Utility Truck	201	0	5	0	0	0	0	0	206
Winch/Crane Truck	166	0	658	194	0	0	0	0	1,018
Wrecker	10	0	35	0	0	0	0	0	45
Pole, Logging Truck	1,017	262	4,705	404	135	0	0	0	6,522
Auto Transport	135	0	1,251	0	5	0	0	0	1,391
Service Truck	139	0	0	0	0	0	0	0	139
Yard Tractor	0	0	605	0	0	0	0	0	605
Oilfield Truck	118	0	1,610	121	0	0	0	0	1,849
Grain Bodies	140	84	3,753	50	184	0	36	0	4,247
Garbage Truck	0	0	144	0	0	0	0	0	144
Dump Truck	2,005	198	11,245	1,700	499	0	36	0	15,683
Tank Truck For Liquid or Gases	220	0	12,335	337	87	0	14	0	12,992
Tank Truck For Dry Bulk	87	17	2,584	151	261	0	0	0	3,100
Concrete Mixer	0	0	5	48	0	0	0	0	53
Other	270	0	21	207	48	0	0	0	547
Total	11,812	1,128	128,337	10,160	2,628	1,643	289	5	156,003

1987 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Body Type by Vehicle Group

Traffic Region: West

Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Multi-Stop or Step Van	0	50	95	0	0	0	0	0	146
Platform with Devices	367	65	966	324	9	113	26	0	1,870
Low Boy Platform	386	25	4,620	1,268	224	0	58	69	6,651
Basic Platform	3,842	463	16,269	1,573	435	2,361	776	24	25,742
Livestock Truck	404	31	1,097	107	15	0	9	0	1,663
Insulated Non-refrigerated Van	0	113	2,339	41	60	113	4	24	2,694
Insulated Refrigerated Van	152	0	9,275	552	67	230	72	0	10,348
Drop Frame Van	0	0	832	41	113	160	0	0	1,145
Open Top Van	156	26	1,162	304	53	0	58	0	1,759
Basic Enclosed Van	603	9	16,171	1,253	160	6,608	460	275	25,537
Beverage Truck	0	0	16	0	0	113	0	0	129
Utility Truck	244	0	0	0	0	0	0	0	244
Winch/Crane Truck	825	35	529	25	9	0	0	0	1,423
Wrecker	121	9	9	5	0	0	0	0	143
Pole, Logging Truck	2,421	175	6,482	76	175	0	9	0	9,338
Auto Transport	35	5	1,517	0	0	0	0	0	1,557
Service Truck	37	0	15	0	0	0	0	0	52
Yard Tractor	4	0	204	5	12	0	0	0	225
Oilfield Truck	9	0	365	41	121	0	0	0	536
Grain Bodies	285	87	1,800	329	14	1,243	355	0	4,113
Garbage Truck	51	0	174	26	0	0	0	0	251
Dump Truck	5,847	1,203	7,314	833	207	1,352	235	17	17,008
Tank Truck For Liquid or Gases	1,680	273	4,942	446	106	679	47	0	8,173
Tank Truck For Dry Bulk	0	11	1,004	46	9	744	313	0	2,125
Concrete Mixer	5	427	21	0	0	0	0	0	453
Other	182	0	94	65	0	0	0	0	342
Total	17,656	3,004	77,315	7,359	1,788	13,713	2,421	408	123,664

Appendix D

Major Body Type
Analysis by the 5 Regions
For the 5-Axles or More Truck Fleet

1992 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Major Body Type by Vehicle Group
Traffic Region: North Central

Major Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Platform	4,363	765	56,029	9,755	1,898	435	605	0	73,850
Van	607	11	161,614	3,915	3,410	7,382	1,812	79	178,832
Auto Transport	679	0	9,622	402	186	0	0	0	10,889
Dump Truck	4,158	2,267	16,164	6,008	596	0	2,169	0	31,361
Grain Bodies	1,983	459	21,758	807	1,081	187	209	0	26,484
Garbage Truck	135	161	481	172	0	0	0	0	949
Livestock Truck	8	0	5,451	102	264	0	0	0	5,825
Pole, Logging etc. Truck	460	381	1,762	497	291	0	0	0	3,391
Tank Truck, Dry Bulk	25	0	6,553	279	254	0	142	0	7,253
Tank Truck, Liquid or Gases	480	186	22,292	1,708	222	0	56	0	24,943
Other	1,189	278	3,688	1,614	114	47	34	0	6,965
Total	14,087	4,507	305,414	25,258	8,316	8,052	5,027	79	370,741

1992 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Major Body Type by Vehicle Group

Traffic Region: North East

Major Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Platform	1,129	139	18,342	3,368	844	126	8	0	23,955
Van	229	84	48,282	1,313	1,633	1,291	683	33	53,547
Auto Transport	0	0	527	2	12	0	0	0	541
Dump Truck	3,684	973	7,893	2,188	1,020	0	0	0	15,759
Grain Bodies	58	0	403	26	60	0	0	0	547
Garbage Truck	2	15	845	109	230	0	0	0	1,202
Livestock Truck	0	0	291	6	0	0	29	0	326
Pole, Logging etc. Truck	17	62	681	721	21	0	0	0	1,501
Tank Truck, Dry Bulk	8	29	1,878	58	6	0	113	0	2,091
Tank Truck, Liquid or Gases	99	0	9,469	281	396	0	58	0	10,302
Other	992	35	1,628	185	135	0	58	0	3,033
Total	6,218	1,336	90,238	8,256	4,357	1,417	948	33	112,804

1992 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Major Body Type by Vehicle Group

Traffic Region: South Atlantic

Major Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Platform	2,231	138	23,355	2,298	1,078	52	65	0	29,218
Van	392	100	57,753	1,374	841	1,533	541	0	62,535
Auto Transport	0	0	668	48	13	0	0	0	729
Dump Truck	2,091	80	6,180	931	467	0	0	0	9,750
Grain Bodies	4	0	1,429	38	61	0	4	0	1,535
Garbage Truck	0	0	286	0	0	0	0	0	286
Livestock Truck	299	0	769	25	101	0	0	0	1,194
Pole, Logging etc. Truck	169	26	6,718	305	209	0	0	0	7,427
Tank Truck, Dry Bulk	12	0	2,574	35	137	0	0	0	2,758
Tank Truck, Liquid or Gases	64	6	8,221	217	386	0	0	0	8,893
Other	782	277	2,026	1,105	35	0	0	0	4,225
Total	6,044	628	109,979	6,375	3,327	1,586	611	0	128,549

1992 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Major Body Type by Vehicle Group

Traffic Region: South Gulf

Major Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Platform	3,433	675	29,962	5,420	1,219	0	205	0	40,915
Van	529	56	62,825	1,215	1,362	2,732	290	0	69,009
Auto Transport	0	0	1,369	53	19	0	0	0	1,441
Dump Truck	2,246	164	10,089	1,988	468	0	0	0	14,956
Grain Bodies	1,002	0	6,221	83	144	0	0	0	7,449
Garbage Truck	0	0	279	0	24	0	0	0	303
Livestock Truck	361	74	1,746	103	74	0	0	0	2,360
Pole, Logging etc. Truck	1,048	100	6,008	394	164	0	149	0	7,862
Tank Truck, Dry Bulk	28	0	3,678	29	82	0	0	0	3,818
Tank Truck, Liquid or Gases	307	103	15,157	958	334	0	0	0	16,859
Other	1,798	0	4,965	2,703	188	0	0	0	9,654
Total	10,752	1,173	142,300	12,946	4,079	2,732	644	0	174,625

1992 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Major Body Type by Vehicle Group
Traffic Region: West

Major Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6-axle or more	Triples	
Platform	4,960	449	31,044	2,805	1,799	4,508	3,177	84	48,826
Van	1,301	28	51,680	3,760	349	10,700	3,230	507	71,554
Auto Transport	38	0	978	10	0	0	0	0	1,027
Dump Truck	8,486	1,946	10,974	1,776	533	1,780	1,511	34	27,040
Grain Bodies	295	120	2,886	271	116	759	755	0	5,202
Garbage Truck	440	0	304	0	0	0	0	0	745
Livestock Truck	217	4	1,755	153	136	440	87	0	2,792
Pole, Logging etc. Truck	2,452	247	7,145	560	399	0	270	0	11,072
Tank Truck, Dry Bulk	151	0	1,126	205	23	1,240	751	0	3,497
Tank Truck, Liquid or Gases	1,811	1,032	5,905	1,098	208	127	1,356	9	11,546
Other	1,034	39	3,913	946	70	127	197	0	6,328
Total	21,184	3,865	117,711	11,583	3,633	19,681	11,335	635	189,627

1987 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Major Body Type by Vehicle Group

Traffic Region: North Central

Major Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6 axles or more	Triples	
Platform	3,666	838	61,776	10,571	1,350	244	295	0	78,740
Van	1,126	45	125,904	2,925	1,848	7,434	2,980	9	142,270
Auto Transport	44	0	4,416	25	294	0	0	0	4,778
Dump Truck	4,275	1,431	13,757	4,736	714	0	768	0	25,681
Grain Bodies	825	311	13,169	762	299	56	272	0	15,695
Garbage Truck	0	0	335	45	0	0	0	0	380
Livestock Truck	612	166	4,817	65	77	0	9	0	5,746
Pole, Logging etc. Truck	51	116	549	142	34	0	0	0	892
Tank Truck, Dry Bulk	0	0	4,938	431	0	0	132	0	5,502
Tank Truck, Liquid or Gases	518	48	16,778	1,315	297	0	44	0	19,000
Other	1,030	712	2,906	1,174	203	0	0	0	6,025
Total	12,148	3,668	249,344	22,191	5,115	7,734	4,499	9	304,708

1987 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Major Body Type by Vehicle Group

Traffic Region: North East

Major Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6 axles or more	Triples	
Platform	3,107	456	22,210	2,493	621	0	28	10	28,927
Van	47	27	36,431	1,059	825	519	57	0	38,965
Auto Transport	0	0	1,355	50	6	0	0	0	1,411
Dump Truck	3,285	734	7,710	1,938	352	0	0	0	14,020
Grain Bodies	0	0	309	4	0	0	0	0	313
Garbage Truck	0	0	291	69	0	0	0	0	361
Livestock Truck	0	0	242	0	8	0	0	0	250
Pole, Logging etc. Truck	11	77	537	482	162	0	0	0	1,268
Tank Truck, Dry Bulk	0	82	1,949	58	0	0	0	0	2,089
Tank Truck, Liquid or Gases	21	0	8,568	236	339	0	0	0	9,163
Other	361	294	1,628	233	14	0	0	0	2,530
Total	6,832	1,672	81,228	6,622	2,328	519	86	10	99,297

1987 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Major Body Type by Vehicle Group

Traffic Region: South Atlantic

Major Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6 axles or more	Triples	
Platform	3,635	182	23,498	2,790	1,186	0	0	0	31,291
Van	149	465	47,326	2,436	736	1,310	7	0	52,429
Auto Transport	47	0	1,360	62	0	0	0	0	1,468
Dump Truck	2,380	488	5,921	841	195	0	0	0	9,825
Grain Bodies	0	0	1,010	81	0	0	0	0	1,091
Garbage Truck	0	0	0	0	0	0	31	0	31
Livestock Truck	0	0	809	72	0	0	0	0	881
Pole, Logging etc. Truck	548	38	3,772	147	82	0	0	0	4,587
Tank Truck, Dry Bulk	91	0	3,062	51	0	0	0	0	3,204
Tank Truck, Liquid or Gases	0	66	8,394	495	239	0	0	0	9,194
Other	1,370	363	2,097	531	95	0	0	0	4,456
Total	8,221	1,601	97,249	7,505	2,533	1,310	38	0	118,458

1987 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Major Body Type by Vehicle Group

Traffic Region: South Gulf

Major Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6 axles or more	Triples	
Platform	5,584	210	32,557	4,859	796	70	21	5	44,103
Van	1,117	226	51,568	1,766	571	1,573	181	0	57,002
Auto Transport	135	0	1,251	0	5	0	0	0	1,391
Dump Truck	2,005	198	11,245	1,700	499	0	36	0	15,683
Grain Bodies	140	84	3,753	50	184	0	36	0	4,247
Garbage Truck	0	0	144	0	0	0	0	0	144
Livestock Truck	149	0	3,412	266	43	0	0	0	3,869
Pole, Logging etc. Truck	1,017	262	4,705	404	135	0	0	0	6,522
Tank Truck, Dry Bulk	87	17	2,584	151	261	0	0	0	3,100
Tank Truck, Liquid or Gases	220	0	12,335	337	87	0	14	0	12,992
Other	1,358	130	4,783	628	48	0	0	0	6,948
Total	11,812	1,128	128,337	10,160	2,628	1,643	289	5	156,003

1987 Truck Fleet *(@ 5-axles or more)*

Number of Vehicles by Major Body Type by Vehicle Group

Traffic Region: West

Major Body Type	Vehicle Group								Total
	Truck + Trailer @ 5-axle	Truck + Trailer @ 6-axle	3-S2	Tridem axle semitrailer	4S1/S2	STAA (2-S1-2)	Doubles @ 6 axles or more	Triples	
Platform	4,228	488	20,889	2,841	659	2,361	834	93	32,393
Van	911	197	29,875	2,191	453	7,110	593	298	41,628
Auto Transport	35	5	1,517	0	0	0	0	0	1,557
Dump Truck	5,847	1,203	7,314	833	207	1,352	235	17	17,008
Grain Bodies	285	87	1,800	329	14	1,243	355	0	4,113
Garbage Truck	51	0	174	26	0	0	0	0	251
Livestock Truck	404	31	1,097	107	15	0	9	0	1,663
Pole, Logging etc. Truck	2,421	175	6,482	76	175	0	9	0	9,338
Tank Truck, Dry Bulk	0	11	1,004	46	9	744	313	0	2,125
Tank Truck, Liquid or Gases	1,680	273	4,942	446	106	679	47	0	8,173
Other	1,794	536	2,220	464	151	225	26	0	5,416
Total	17,656	3,004	77,315	7,359	1,788	13,713	2,421	408	123,664

Appendix E

Weights, Dimensions, and Operating Characteristics Plots and Means For the 5-Axles or More Truck Fleet

Ratio of Sample Size to Population Size ***1992 Fleet***

by Vehicle Configuration/Body Type Combinations

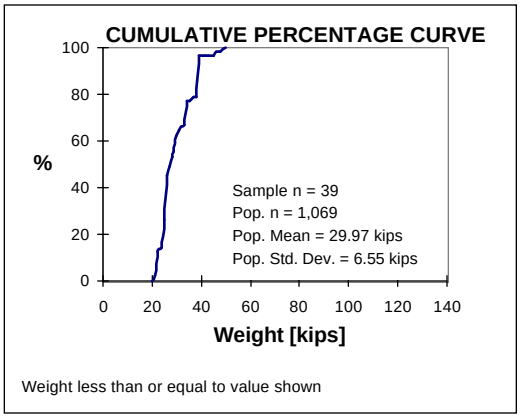
Pop. N / Sample N	3+2	3-S2	3-S3	2-S1-2
Low Boy	1,526 / 60	36,709 / 1,479	13,430 / 527	
Basic Platform	7,370 / 197	122,022 / 4,853	5,788 / 237	4,640 / 66
Livestock Truck		10,012 / 480		
Insulated Non-Refrigerated		9,391 / 446		
Insulated Refrigerated		95,224 / 3,823	1,772 / 68	
Drop Frame Van		15,514 / 513		1,611 / 48
Basic Enclosed	1,344 / 49	253,776 / 8,706	5,932 / 201	20,812 / 317
Pole Logging	4,147 / 177	22,313 / 961	2,087 / 138	
Auto Transport		13,164 / 262		
Grain Bodies	3,313 / 78	32,696 / 1,304	1,014 / 41	946 / 19
Dump Truck	15,426 / 479	51,300 / 2,059	10,542 / 470	
Tank Truck For Liquid	2,664 / 100	61,043 / 2,350	3,447 / 158	
Tank Truck For Dry Bulk		15,809 / 534		

Vehicle Type: 3+2 *1992 Fleet*

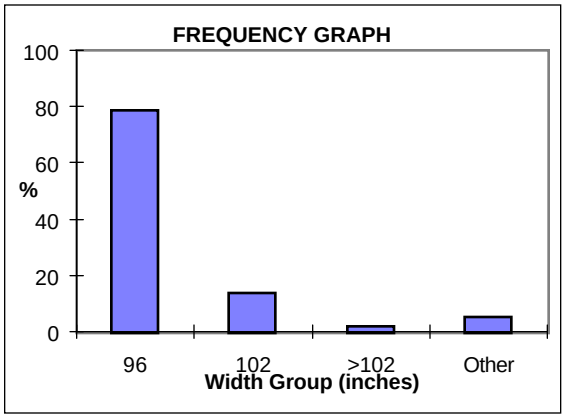
Body Type: Low Boy

Population Size: 1,526 Sample Size: 60

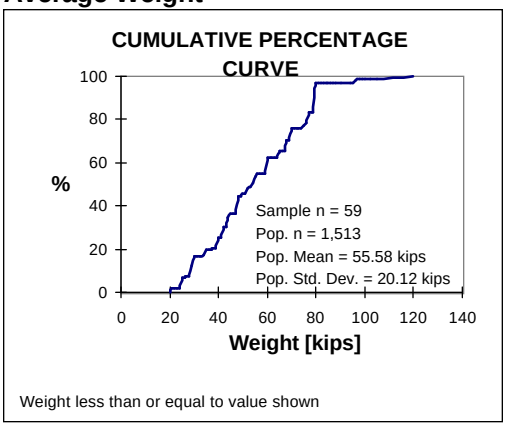
Empty Weight



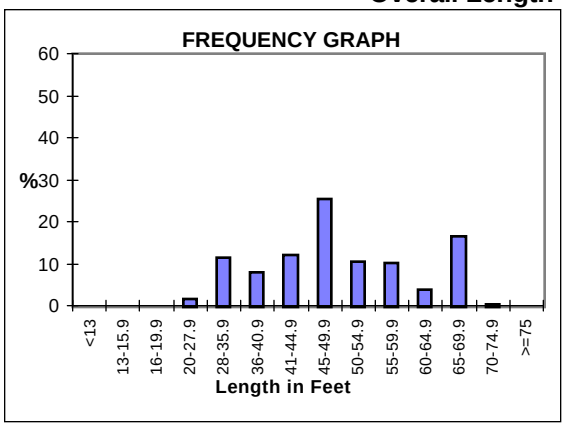
External Trailer Width



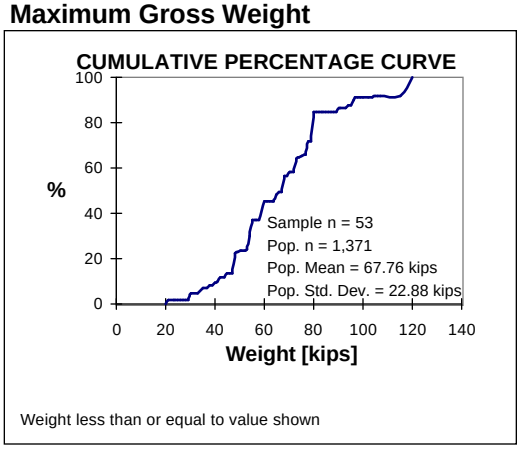
Average Weight



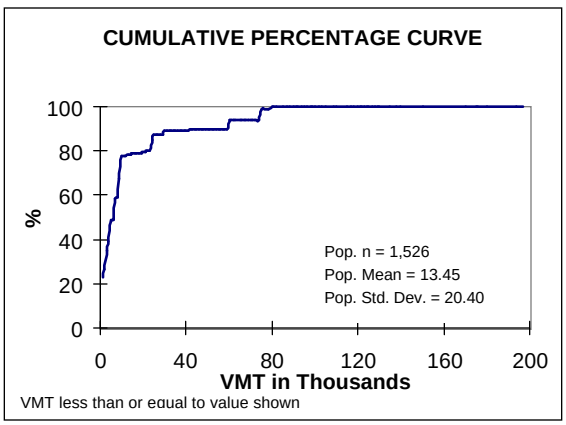
Overall Length



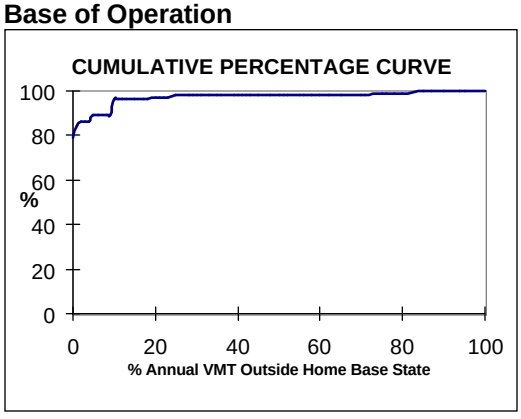
Maximum Gross Weight



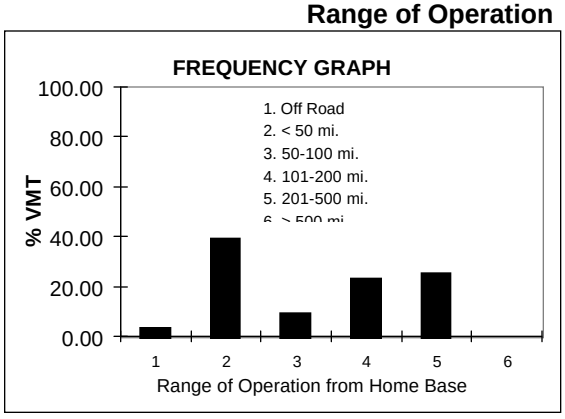
Annual VMT



Base of Operation



Range of Operation

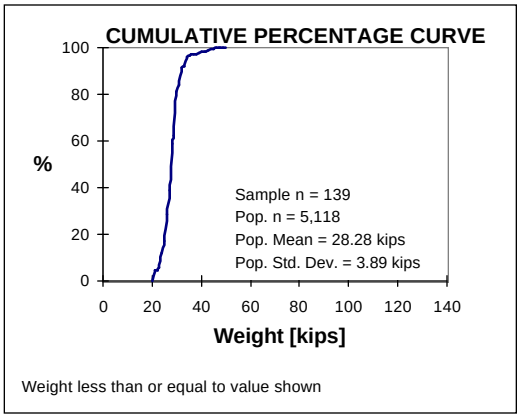


Source: 1992 Truck Inventory and Use Survey

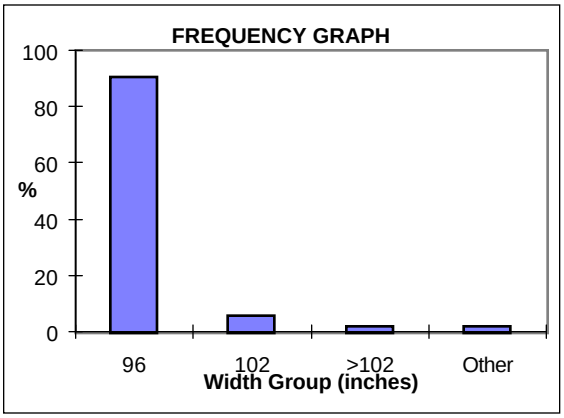
3/4/96

Vehicle Type: 3+2 *1992 Fleet*
Body Type: Basic Platform
Population Size: 7,370 Sample Size: 197

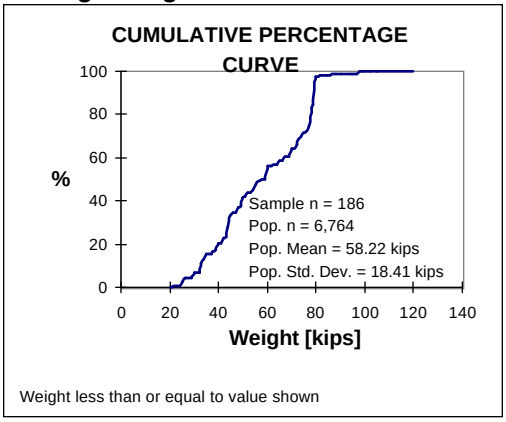
Empty Weight



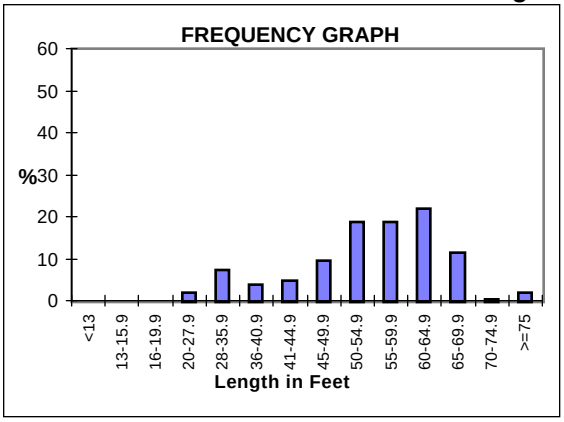
External Trailer Width



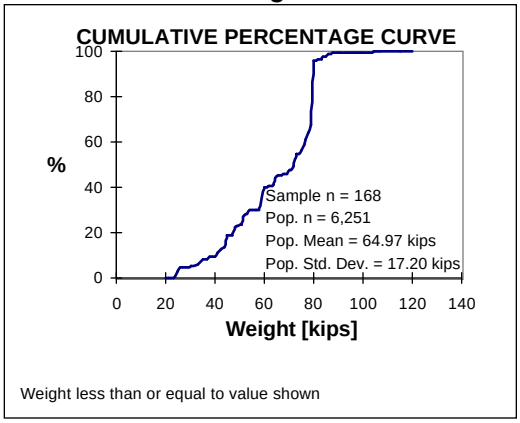
Average Weight



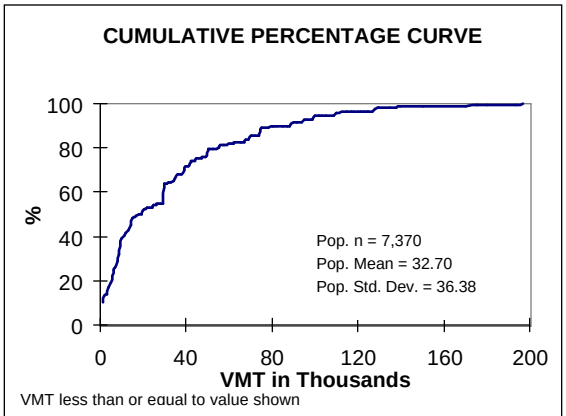
Overall Length



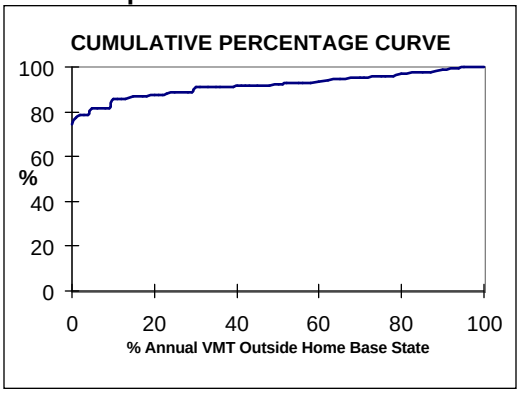
Maximum Gross Weight



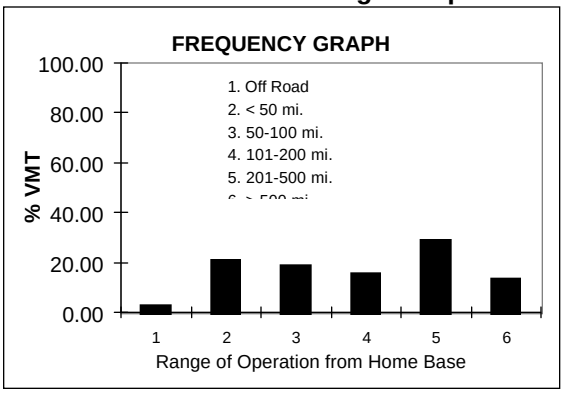
Annual VMT



Base of Operation



Range of Operation



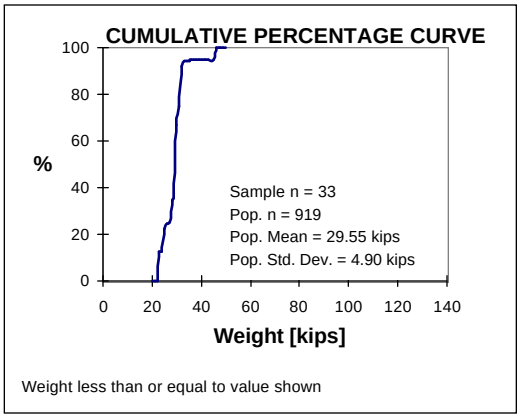
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3+2 *1992 Fleet*

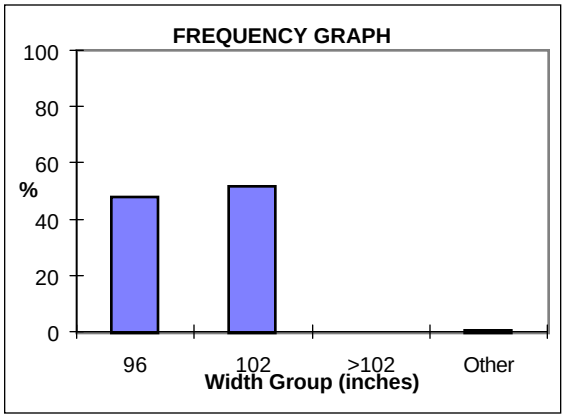
Body Type: Basic Enclosed Van

Population Size: 1,344 Sample Size: 49

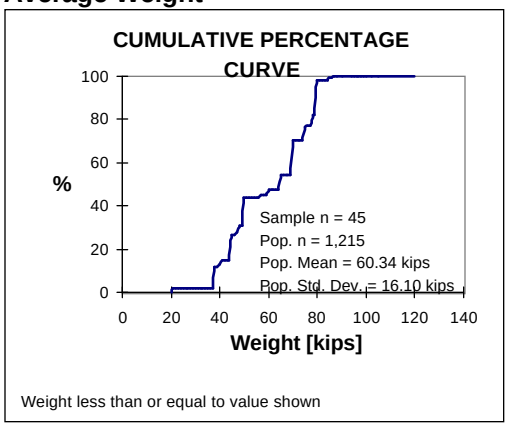
Empty Weight



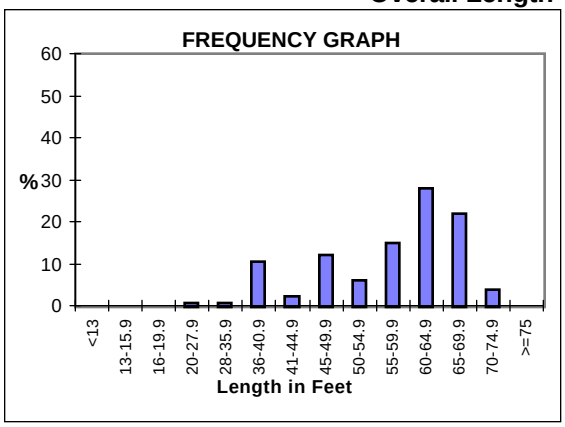
External Trailer Width



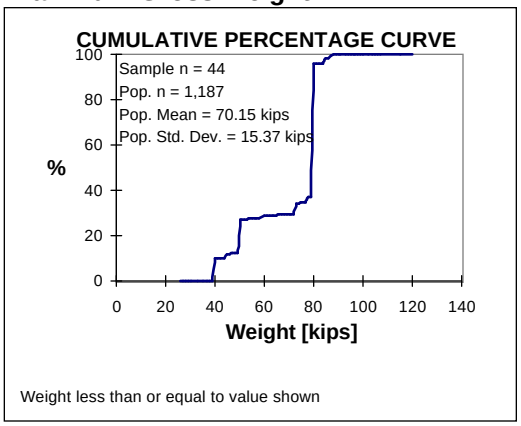
Average Weight



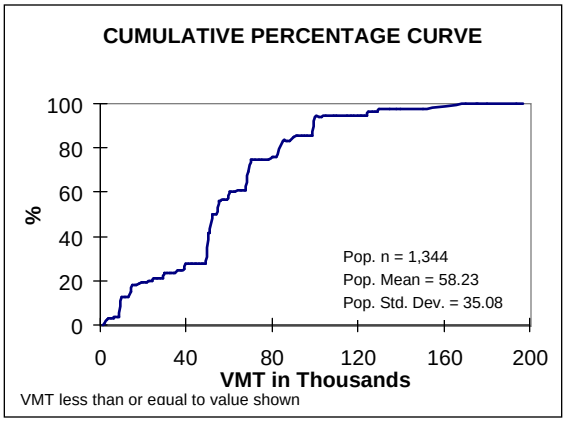
Overall Length



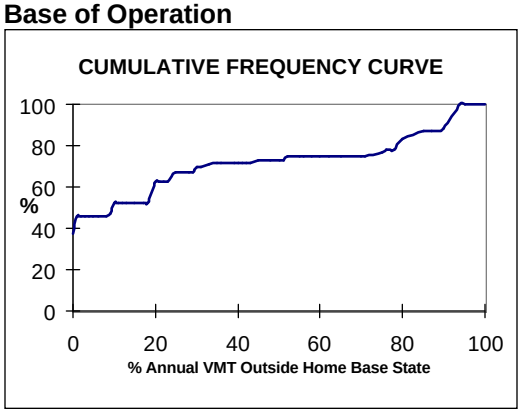
Maximum Gross Weight



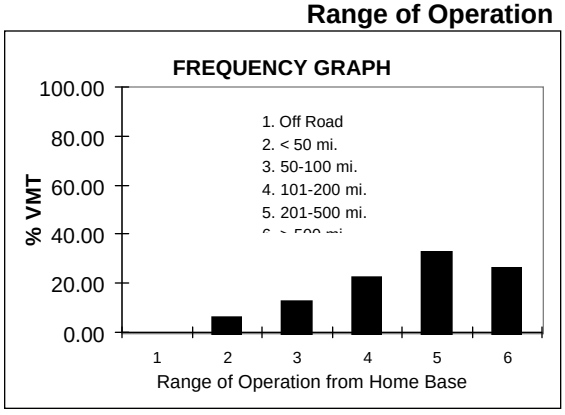
Annual VMT



Base of Operation



Range of Operation



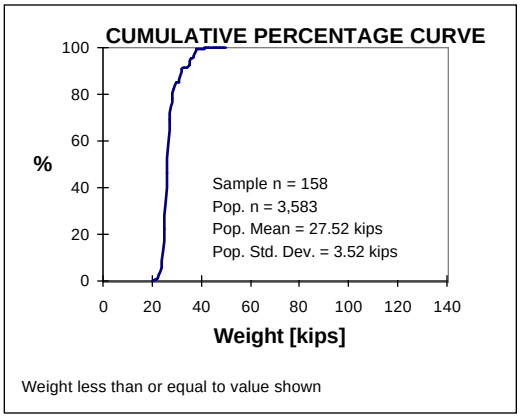
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3+2 *1992 Fleet*

Body Type: Pole Logging

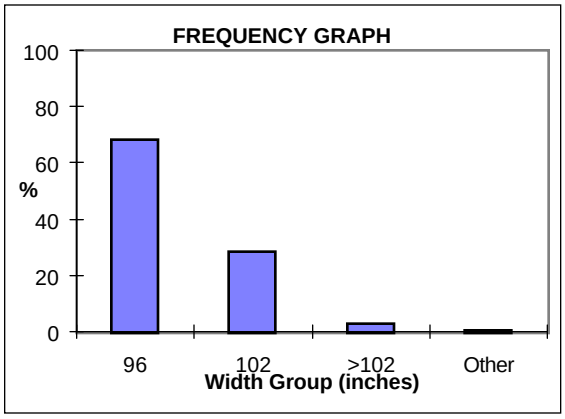
Population Size: 4,147 Sample Size: 177

Empty Weight

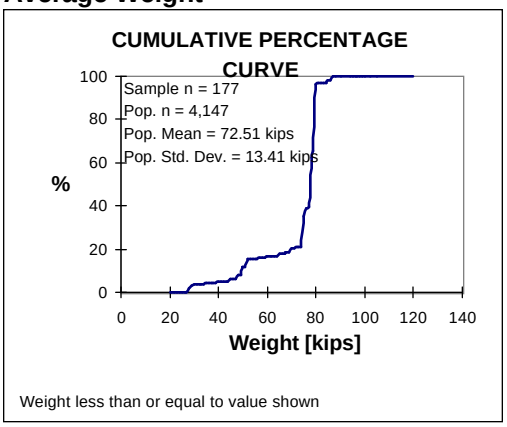


Weight less than or equal to value shown

External Trailer Width

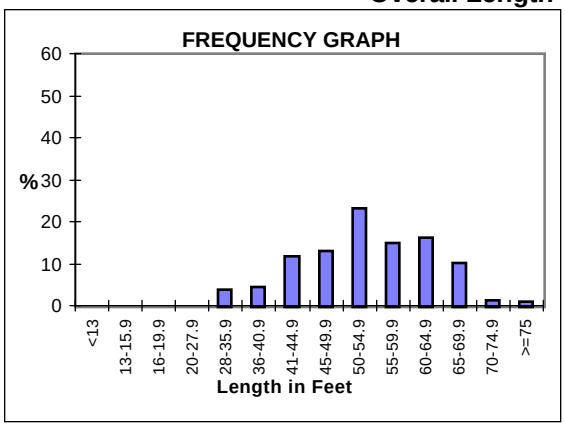


Average Weight

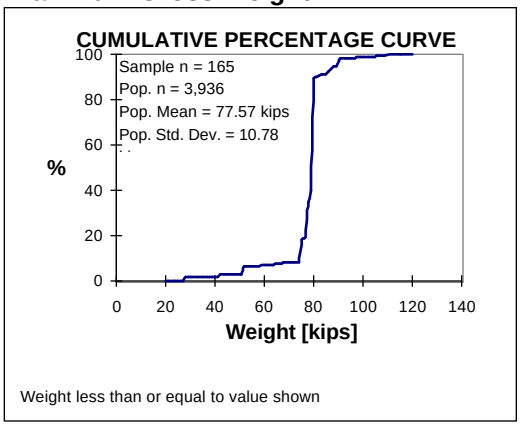


Weight less than or equal to value shown

Overall Length

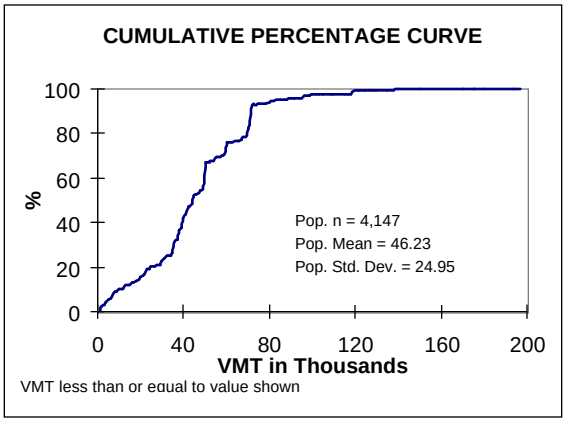


Maximum Gross Weight



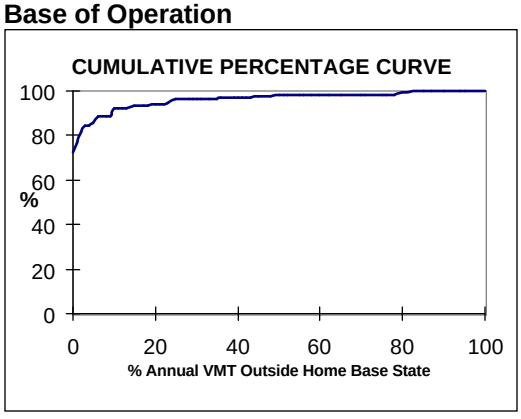
Weight less than or equal to value shown

Annual VMT

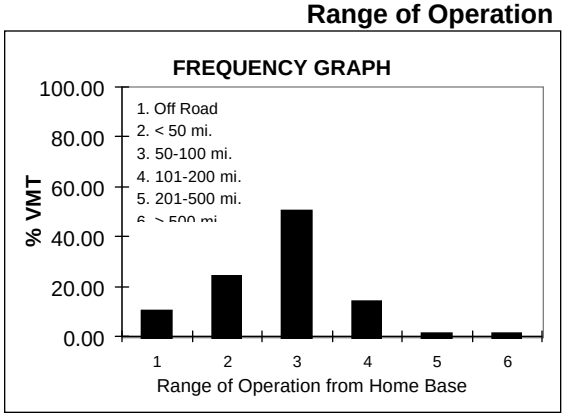


VMT less than or equal to value shown

Base of Operation



Range of Operation

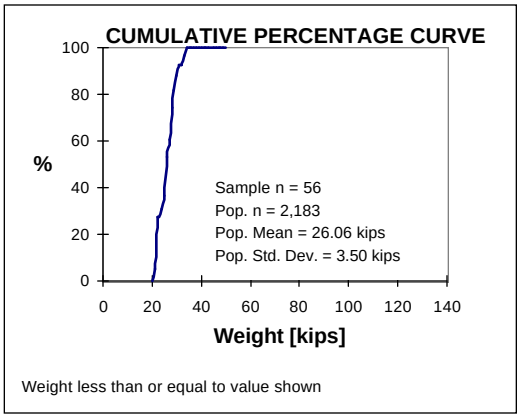


Source: 1992 Truck Inventory and Use Survey

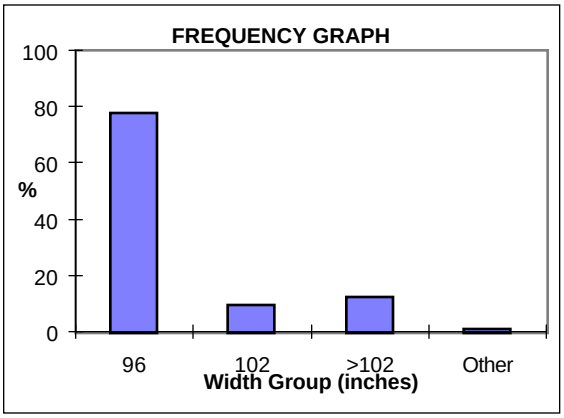
3/4/96

Vehicle Type: 3+2 *1992 Fleet*
Body Type: Grain Bodies
Population Size: 3,313 Sample Size: 78

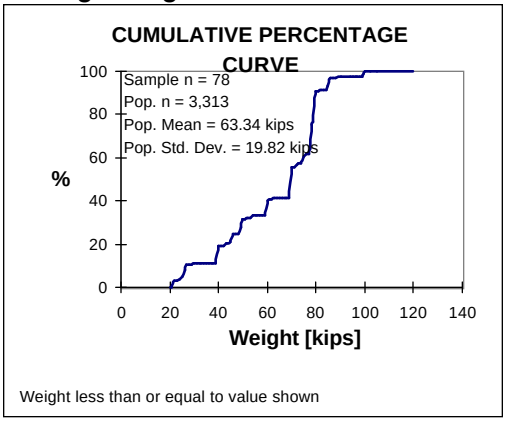
Empty Weight



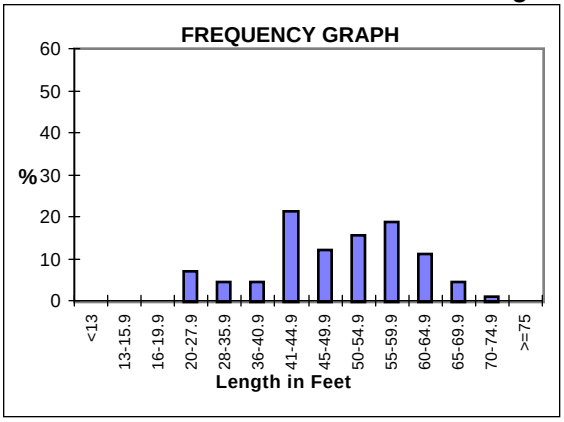
External Trailer Width



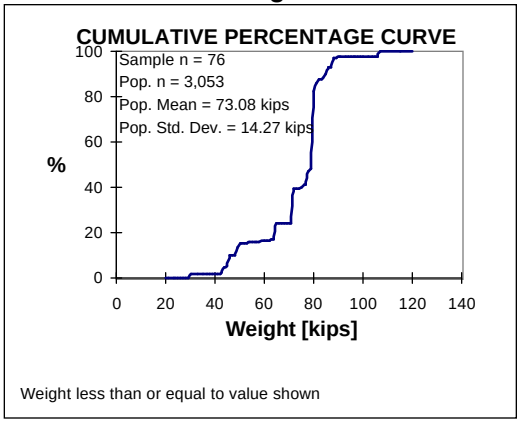
Average Weight



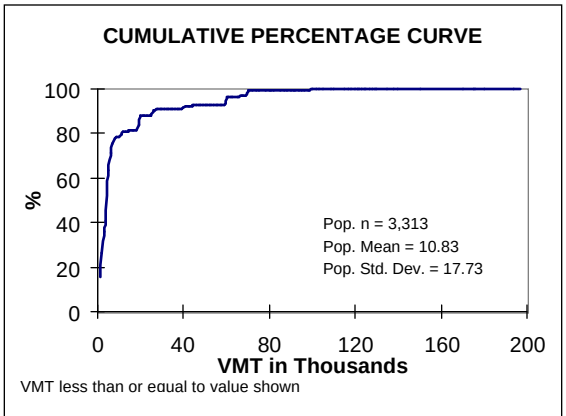
Overall Length



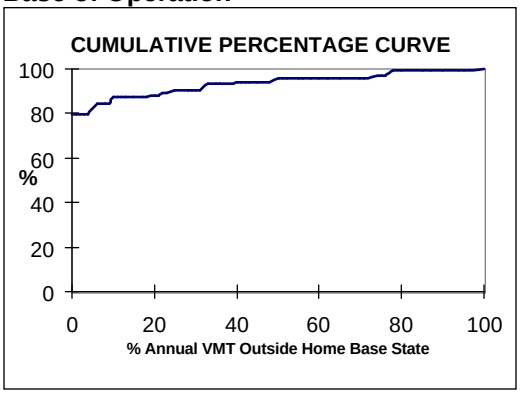
Maximum Gross Weight



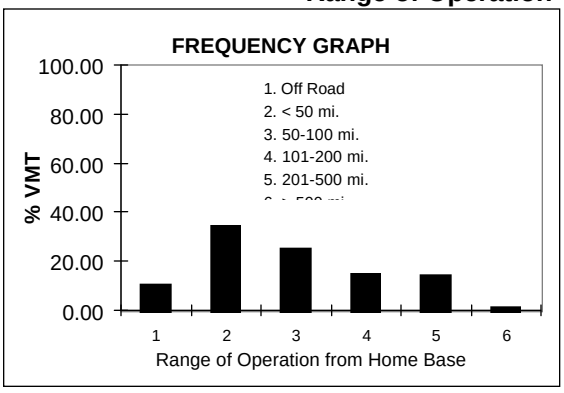
Annual VMT



Base of Operation



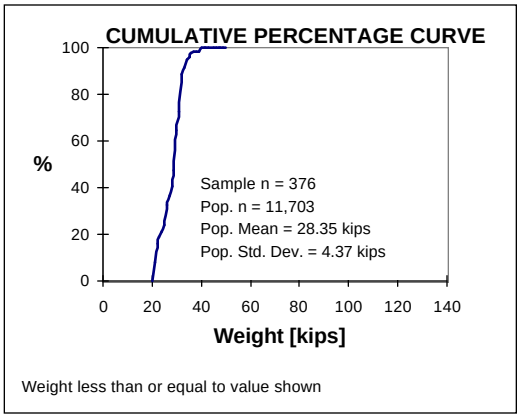
Range of Operation



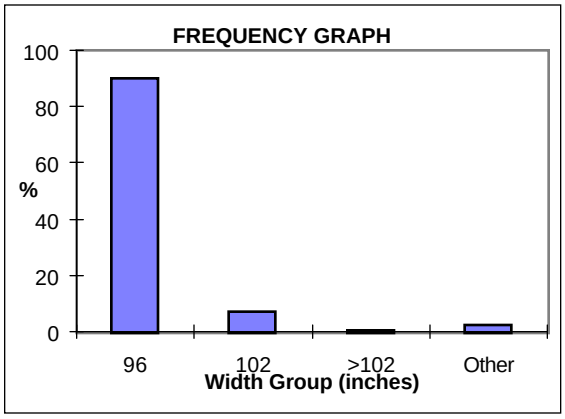
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3+2
Body Type: Dump Truck
Population Size: 15,426 Sample Size: 479

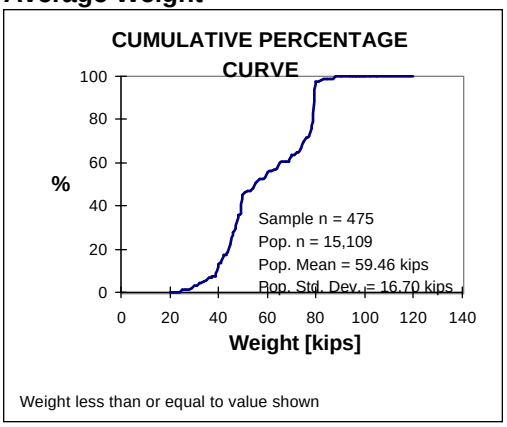
Empty Weight



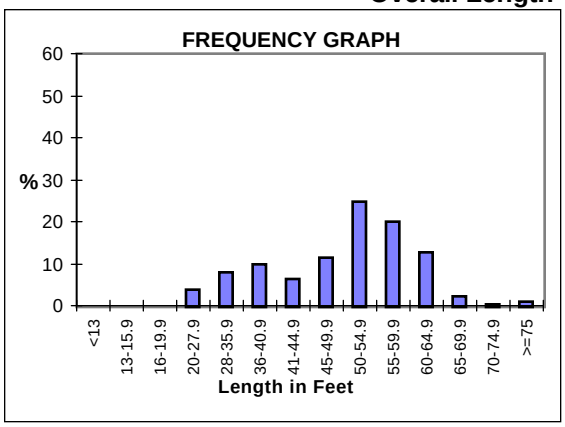
External Trailer Width



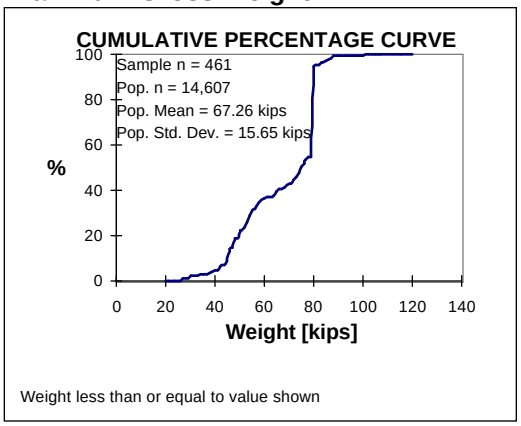
Average Weight



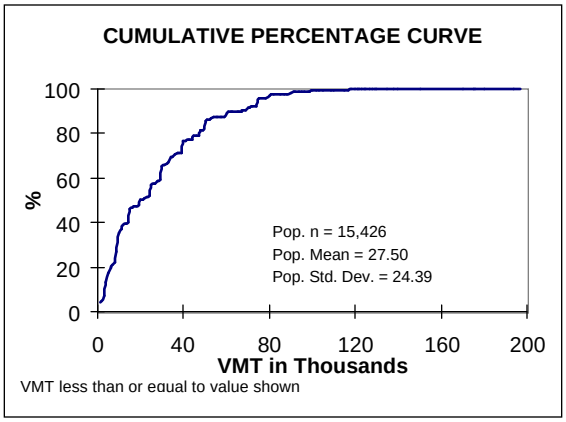
Overall Length



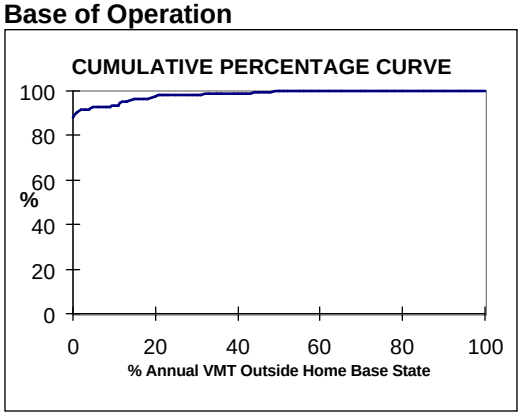
Maximum Gross Weight



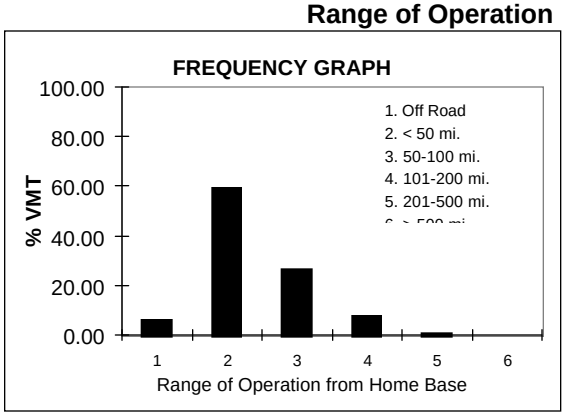
Annual VMT



Base of Operation

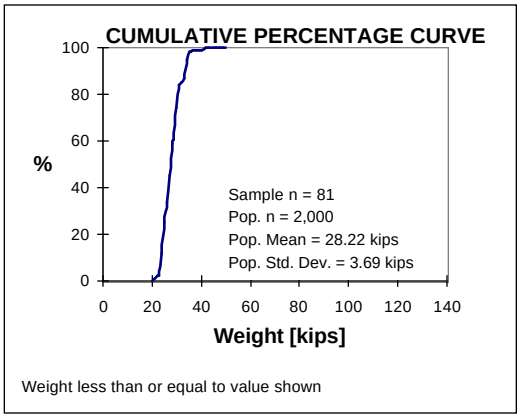


Range of Operation



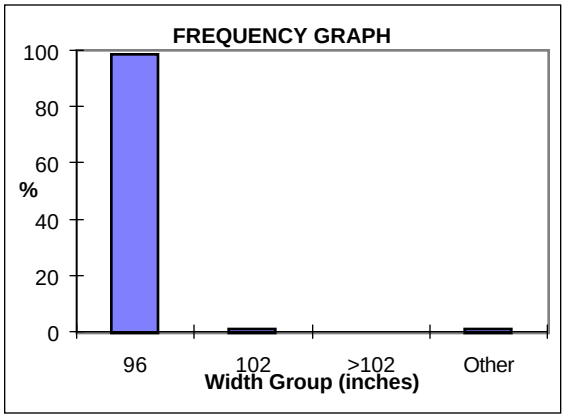
Vehicle Type: 3+2 *1992 Fleet*
Body Type: Tank-Liquid or Gas
Population Size: 2,664 Sample Size: 100

Empty Weight

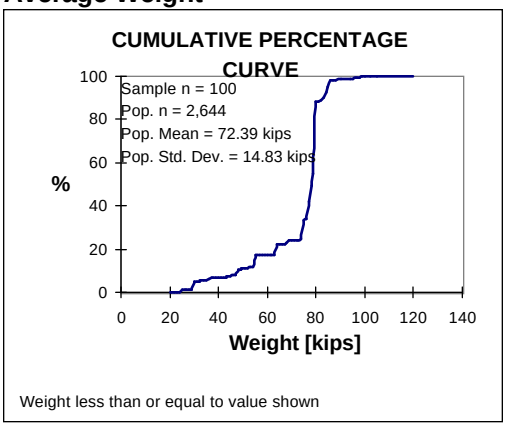


Weight less than or equal to value shown

External Trailer Width

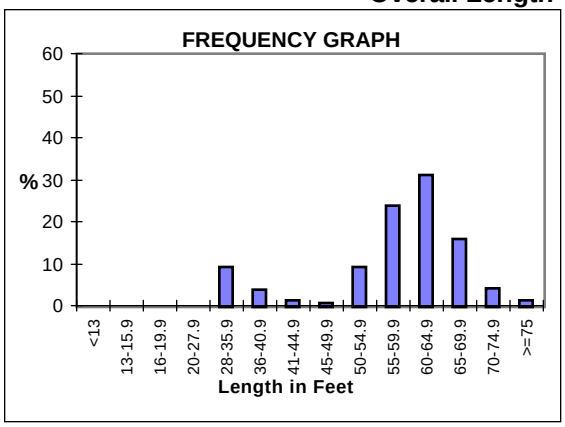


Average Weight

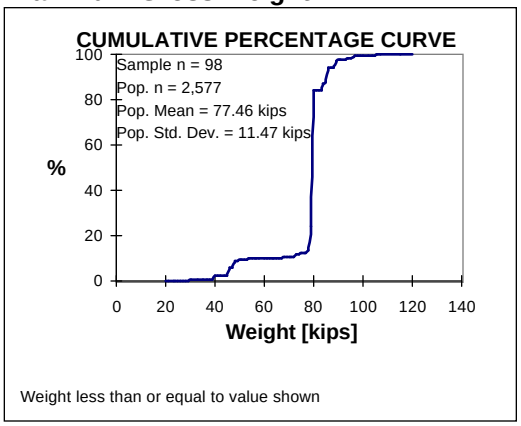


Weight less than or equal to value shown

Overall Length

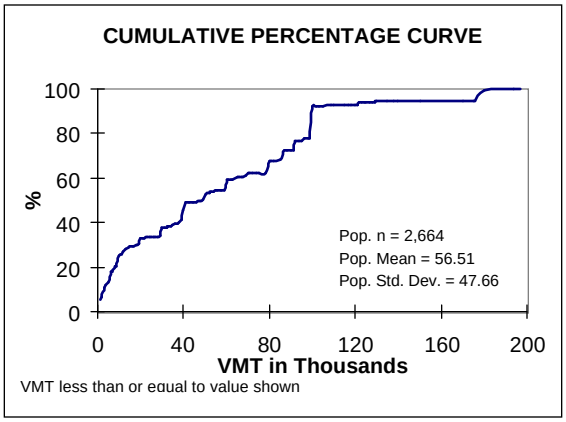


Maximum Gross Weight



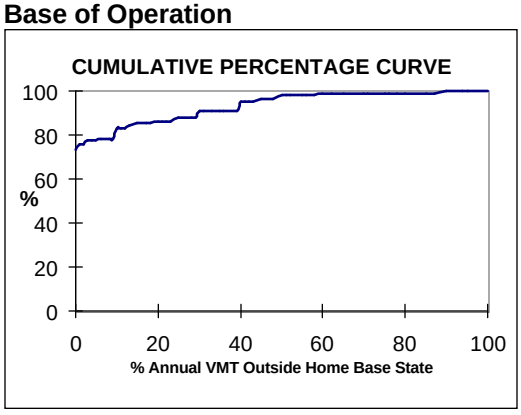
Weight less than or equal to value shown

Annual VMT

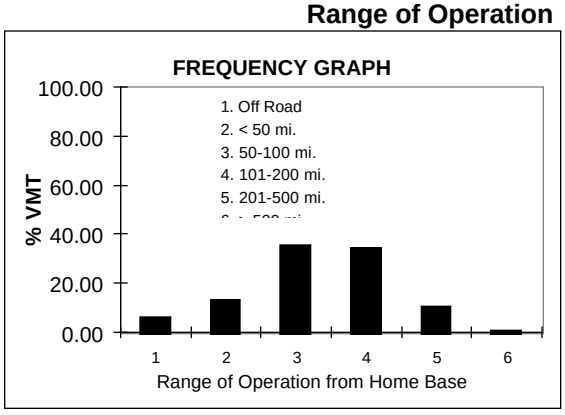


VMT less than or equal to value shown

Base of Operation



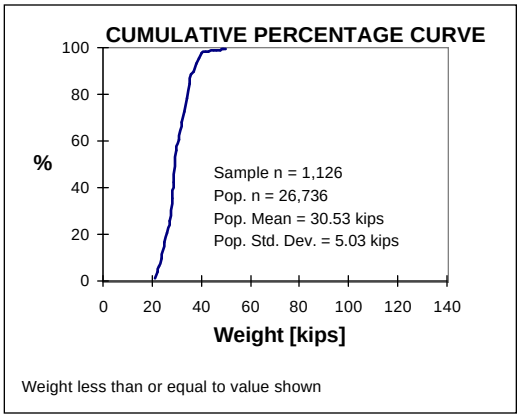
Range of Operation



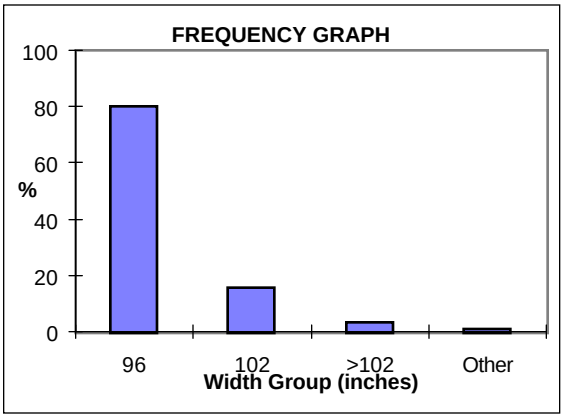
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1992 Fleet*
Body Type: Low Boy
Population Size: 36,709 Sample Size: 1,479

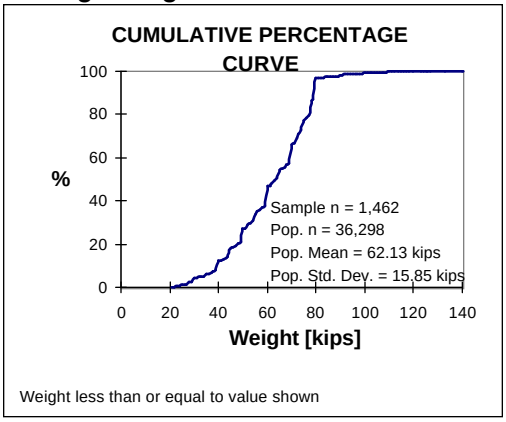
Empty Weight



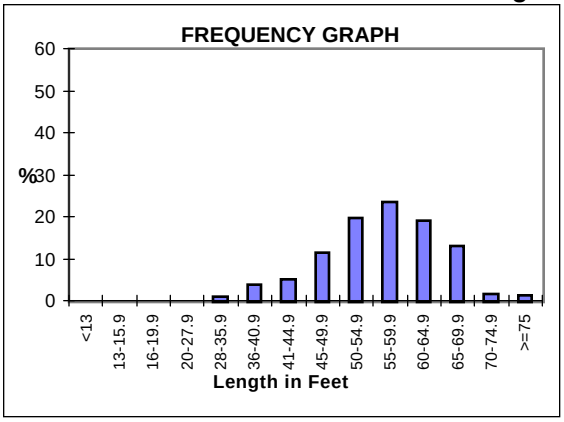
External Trailer Width



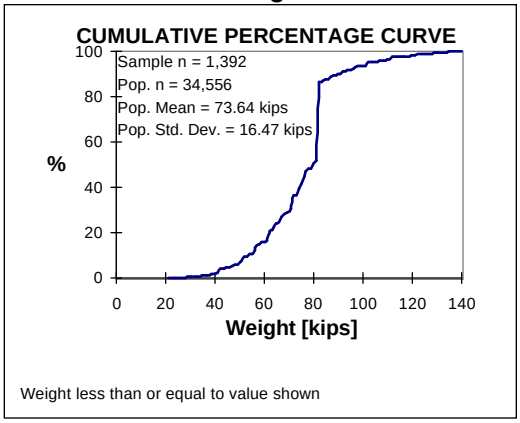
Average Weight



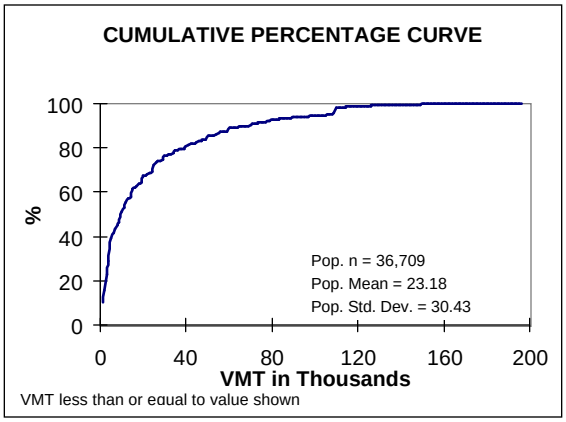
Overall Length



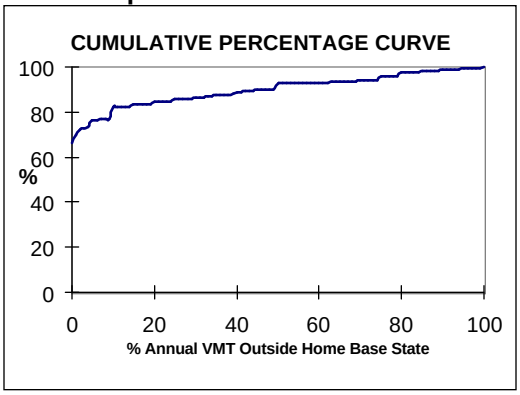
Maximum Gross Weight



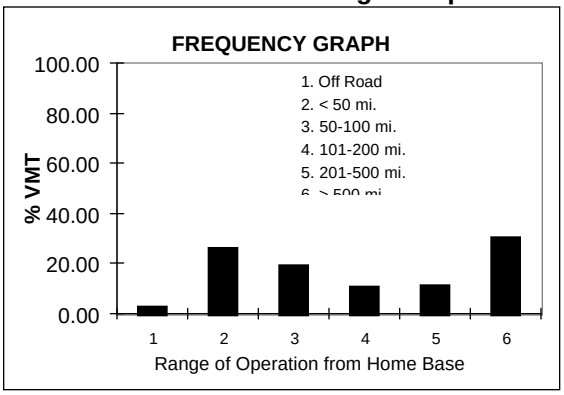
Annual VMT



Base of Operation



Range of Operation



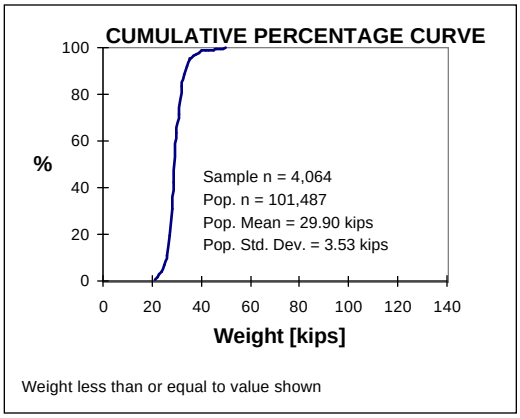
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1992 Fleet*

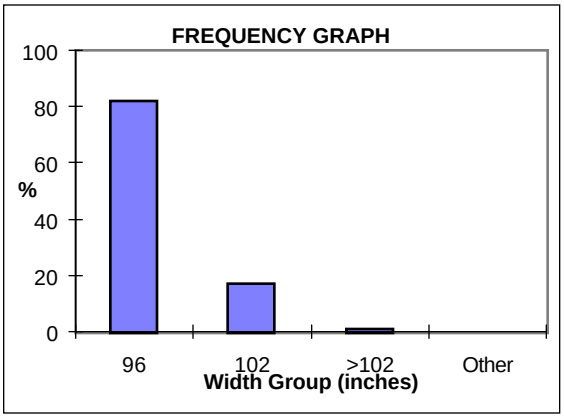
Body Type: Basic Platform

Population Size: 122,022 Sample Size: 4,853

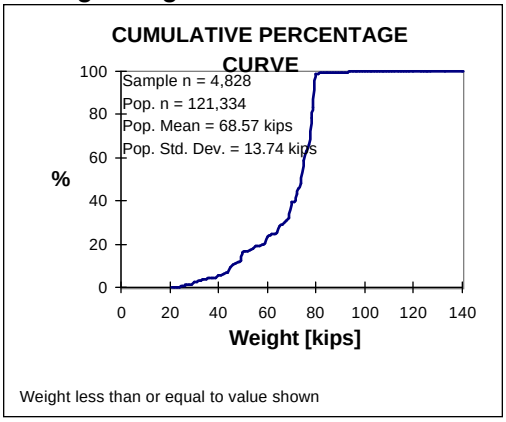
Empty Weight



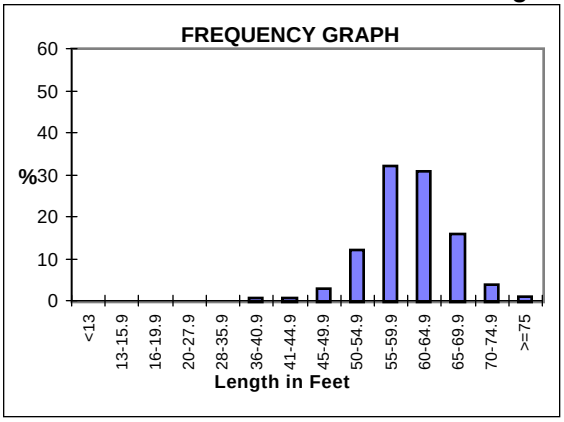
External Trailer Width



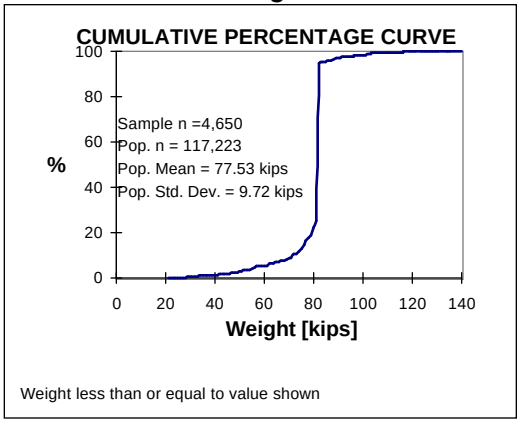
Average Weight



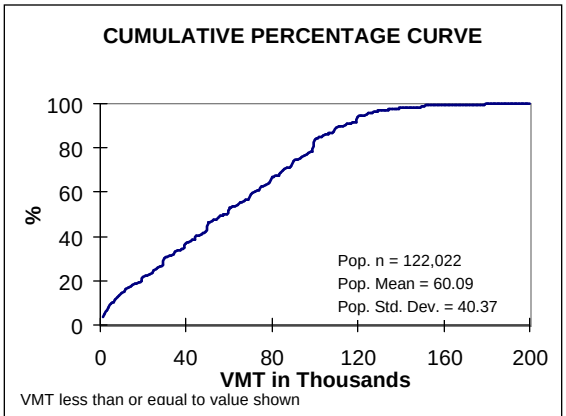
Overall Length



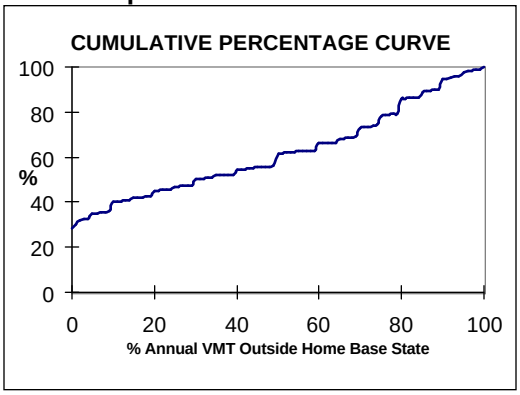
Maximum Gross Weight



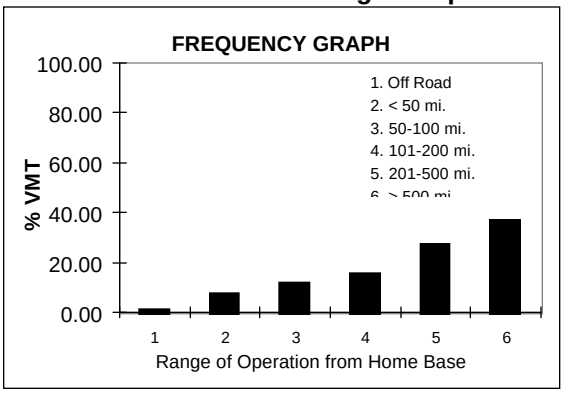
Annual VMT



Base of Operation



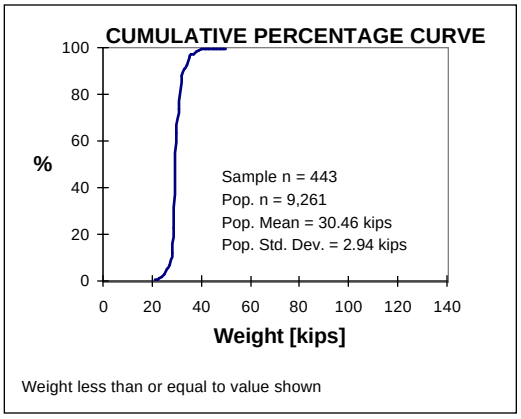
Range of Operation



Source: 1992 Truck Inventory and Use Survey 3/4/96

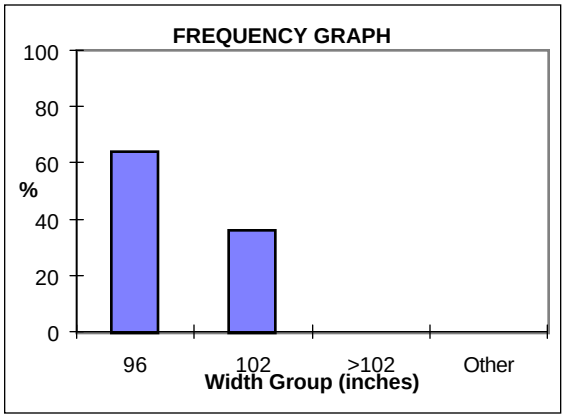
Vehicle Type: 3-S2 *1992 Fleet*
Body Type: Livestock
Population Size: 10,012 Sample Size: 480

Empty Weight

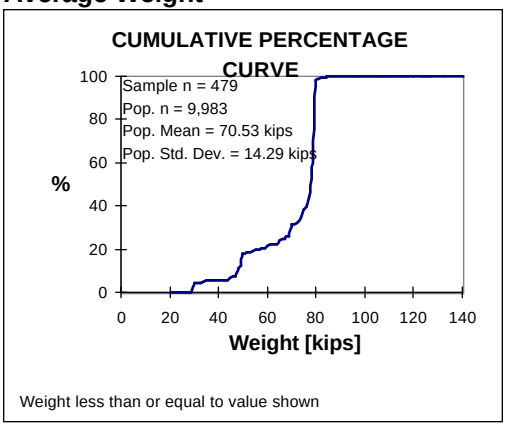


Weight less than or equal to value shown

External Trailer Width

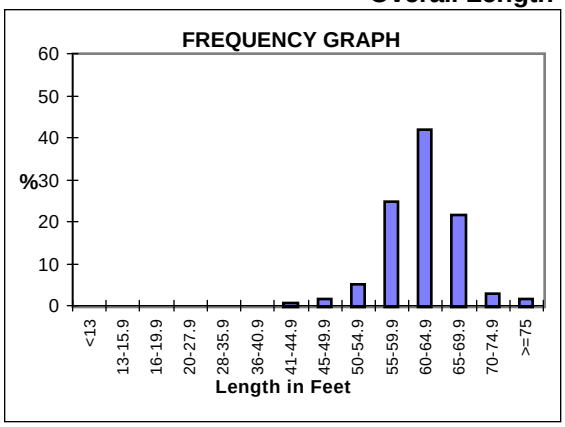


Average Weight

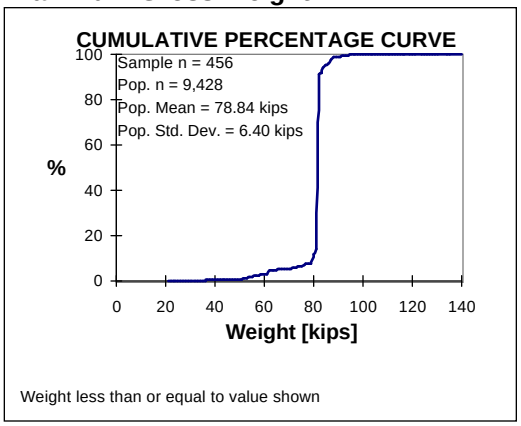


Weight less than or equal to value shown

Overall Length

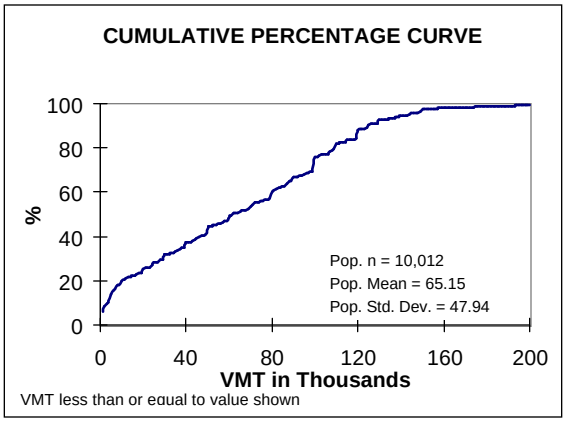


Maximum Gross Weight



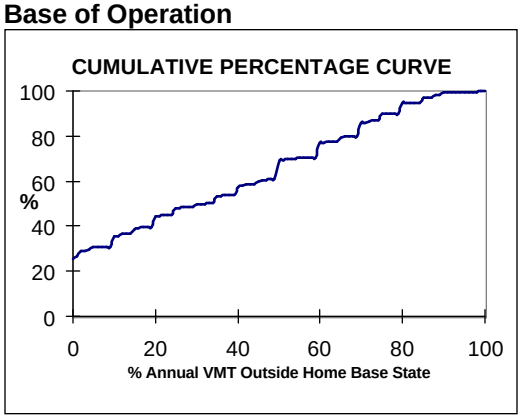
Weight less than or equal to value shown

Annual VMT

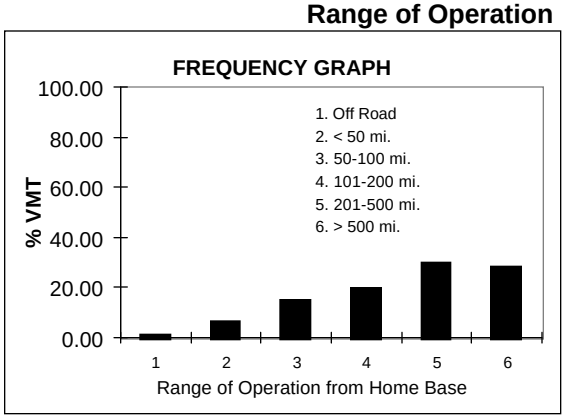


VMT less than or equal to value shown

Base of Operation



Range of Operation



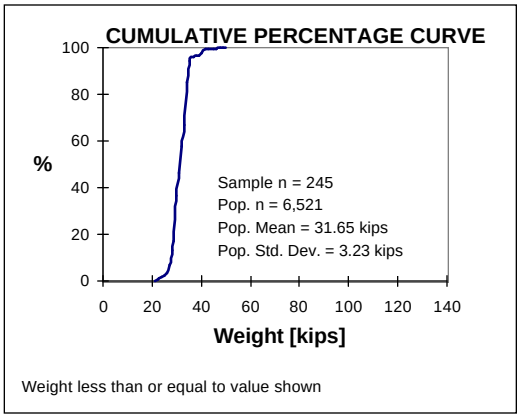
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1992 Fleet*

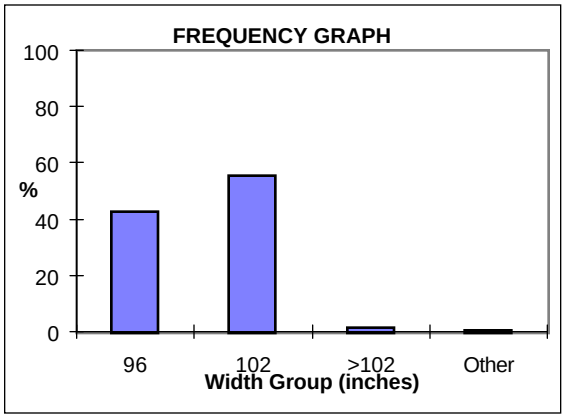
Body Type: Insulated Non-Refrigerated

Population Size: 9,391 Sample Size: 446

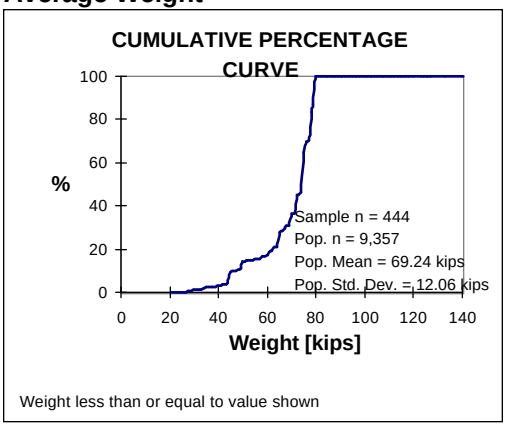
Empty Weight



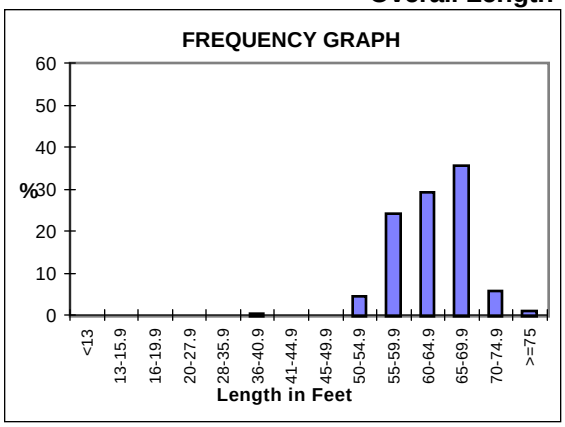
External Trailer Width



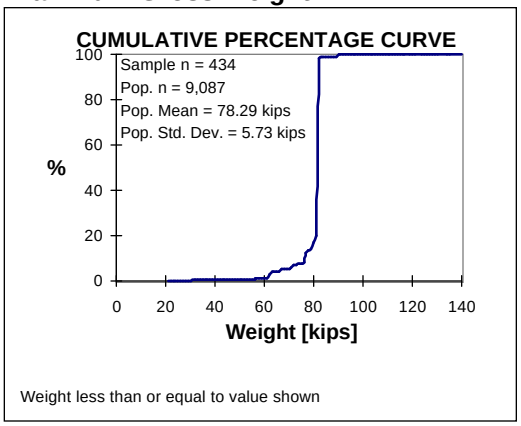
Average Weight



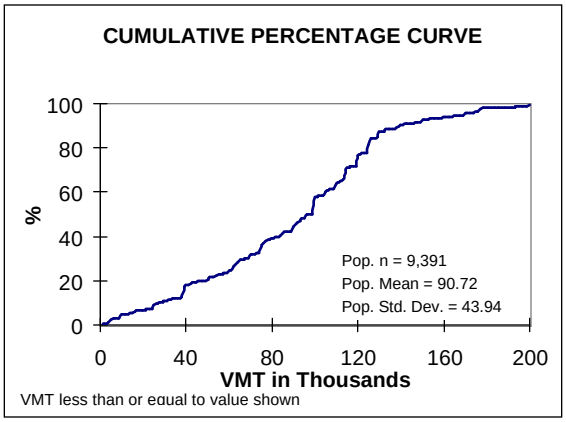
Overall Length



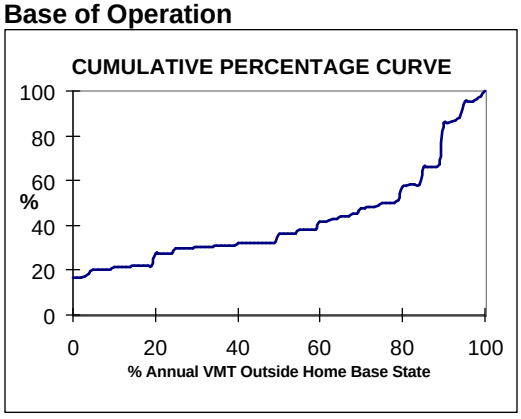
Maximum Gross Weight



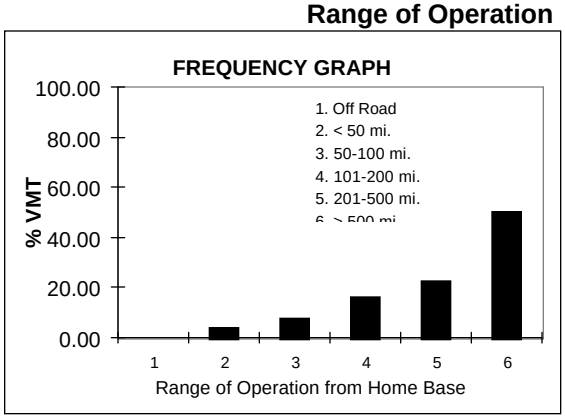
Annual VMT



Base of Operation



Range of Operation



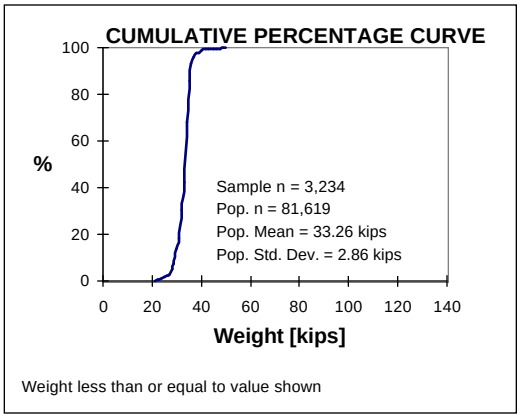
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1992 Fleet*

Body Type: Insulated Refrigerated

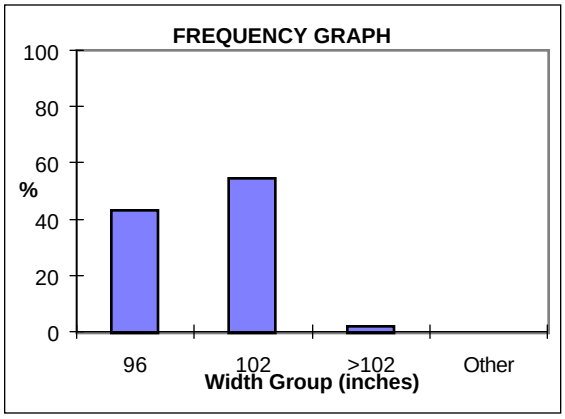
Population Size: 95,224 Sample Size: 3,823

Empty Weight

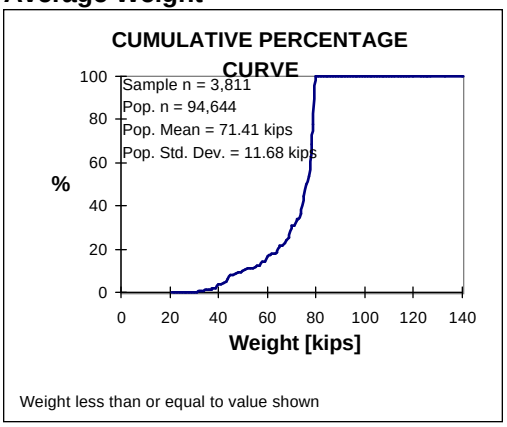


Weight less than or equal to value shown

External Trailer Width

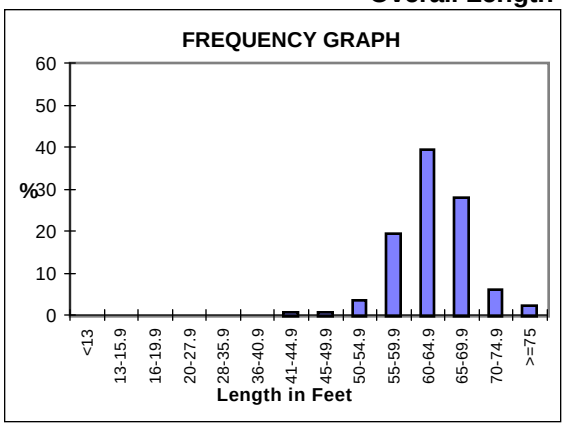


Average Weight

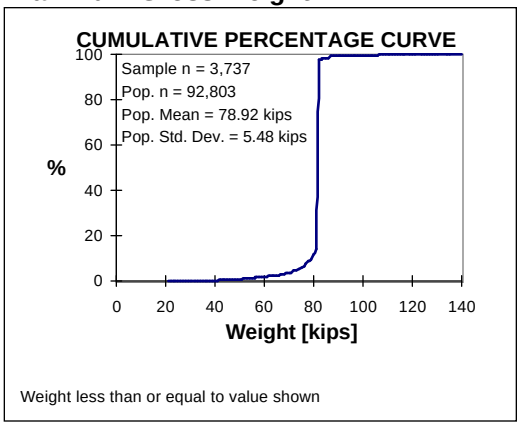


Weight less than or equal to value shown

Overall Length

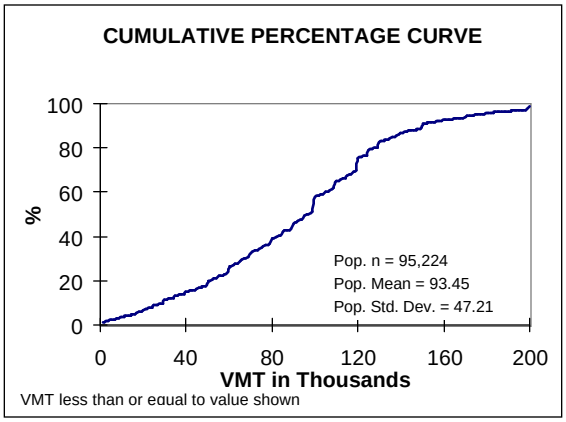


Maximum Gross Weight



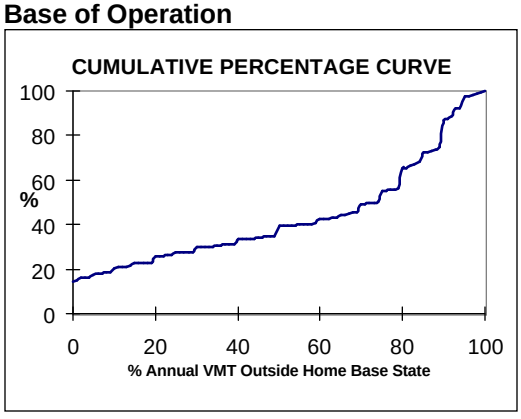
Weight less than or equal to value shown

Annual VMT

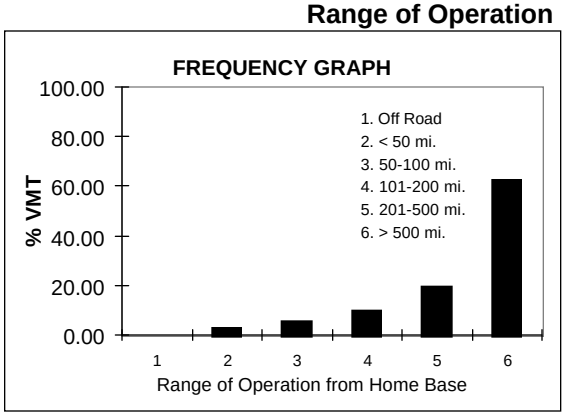


VMT less than or equal to value shown

Base of Operation



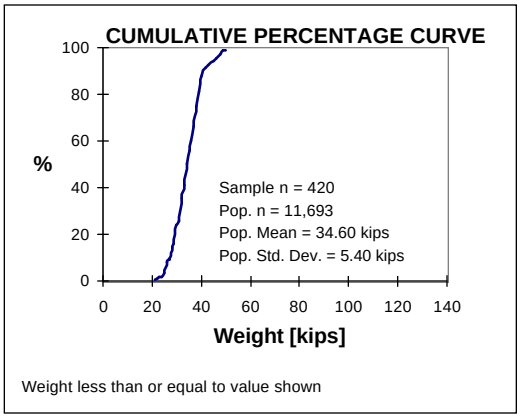
Range of Operation



Source: 1992 Truck Inventory and Use Survey 3/4/96

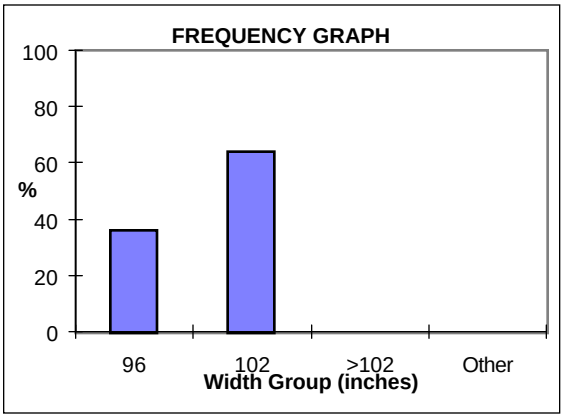
Vehicle Type: 3-S2 *1992 Fleet*
Body Type: Drop Frame
Population Size: 15,514 Sample Size: 513

Empty Weight

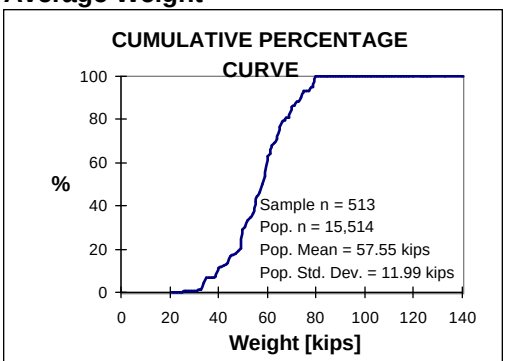


Weight less than or equal to value shown

External Trailer Width

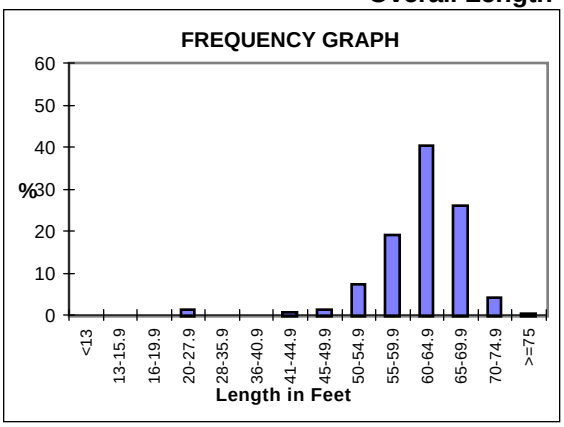


Average Weight

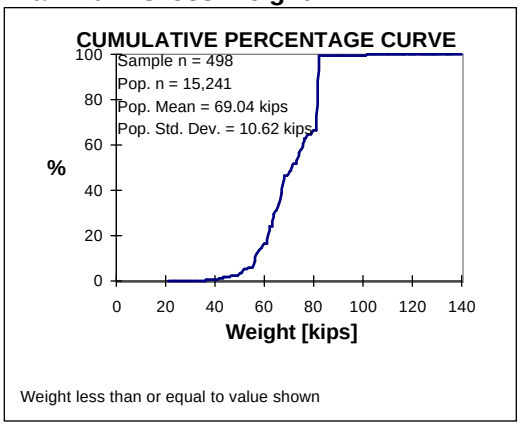


Weight less than or equal to value shown

Overall Length

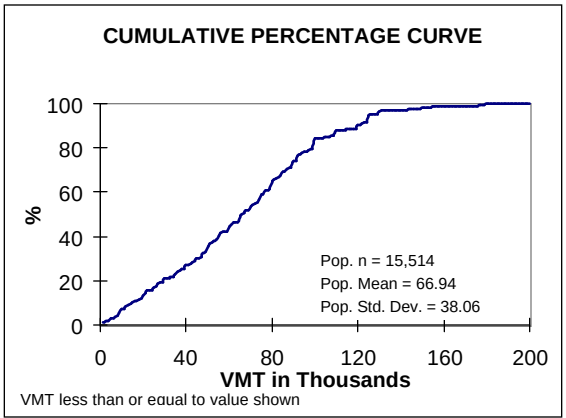


Maximum Gross Weight



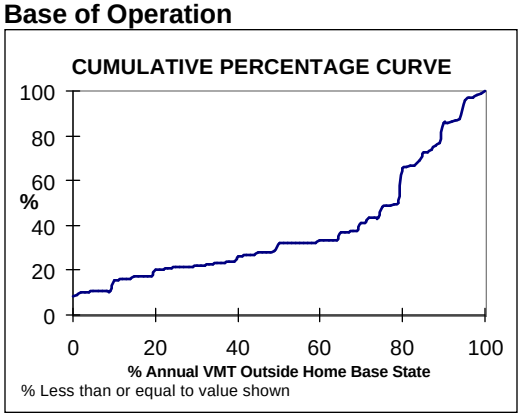
Weight less than or equal to value shown

Annual VMT



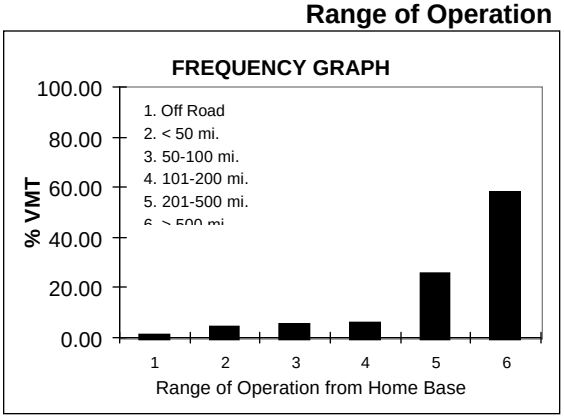
VMT less than or equal to value shown

Base of Operation



% Less than or equal to value shown

Range of Operation



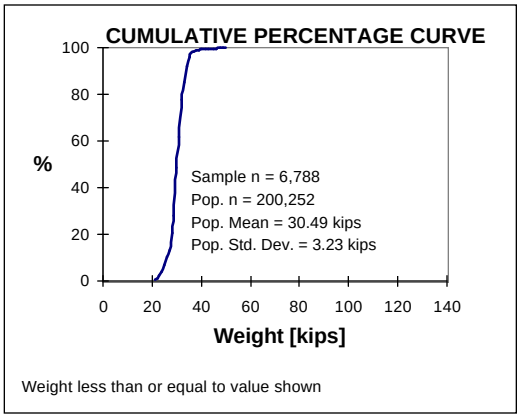
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1992 Fleet*

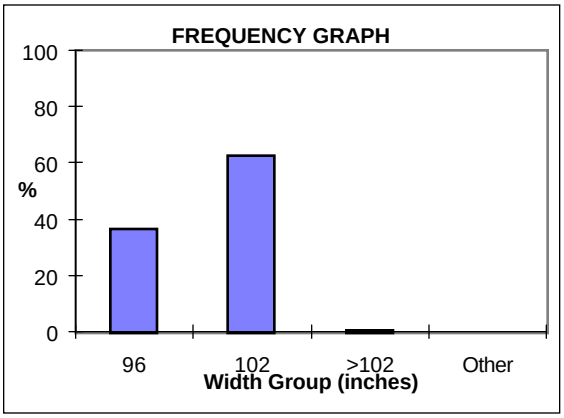
Body Type: Basic Enclosed

Population Size: 253,776 Sample Size: 8,706

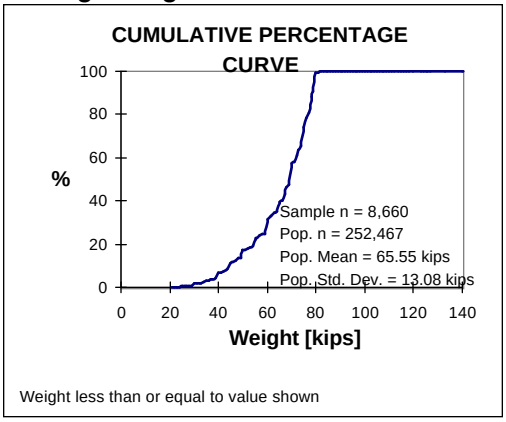
Empty Weight



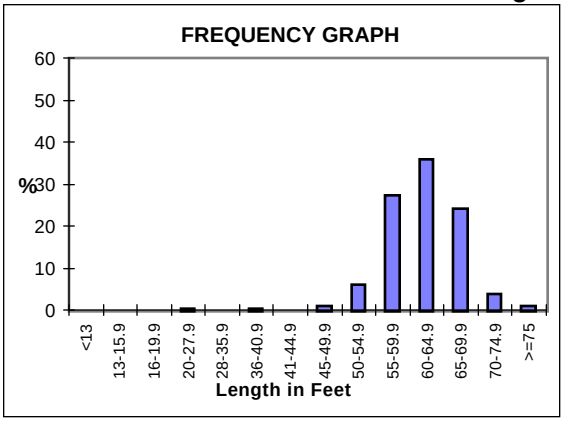
External Trailer Width



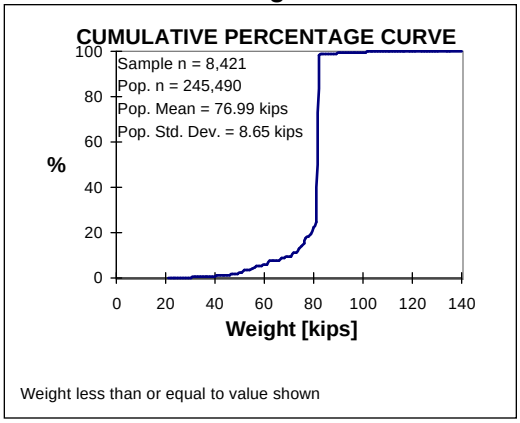
Average Weight



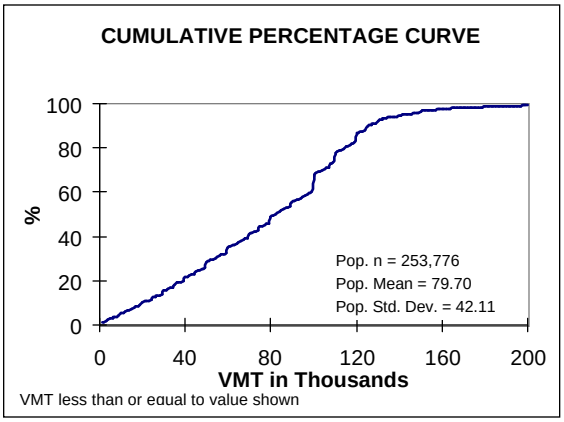
Overall Length



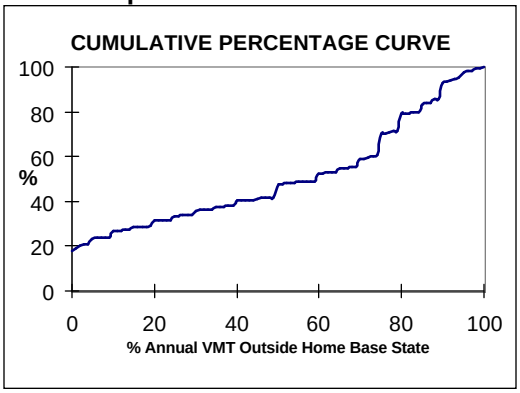
Maximum Gross Weight



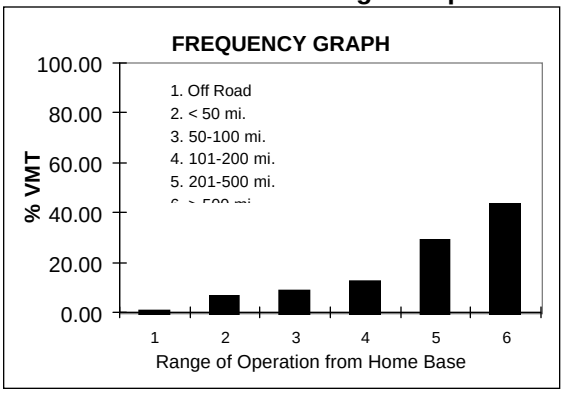
Annual VMT



Base of Operation



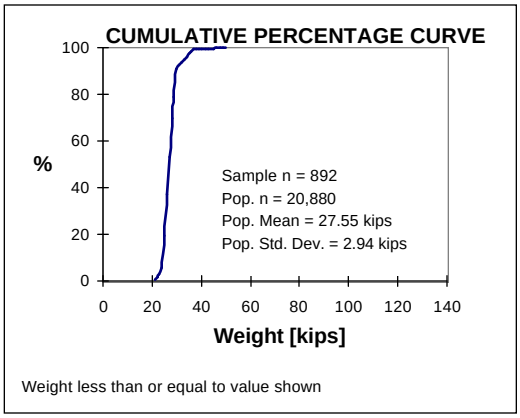
Range of Operation



Source: 1992 Truck Inventory and Use Survey 3/4/96

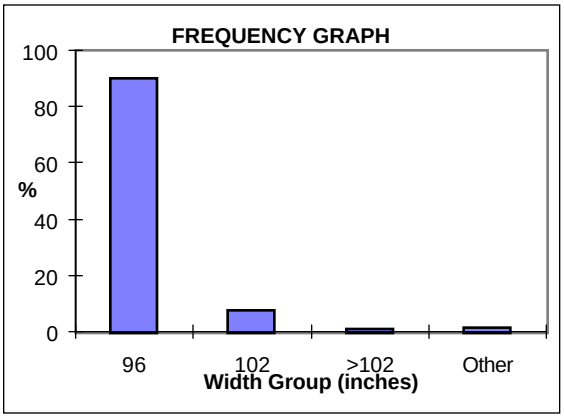
Vehicle Type: 3-S2 *1992 Fleet*
Body Type: Pole Logging
Population Size: 22,313 Sample Size: 961

Empty Weight

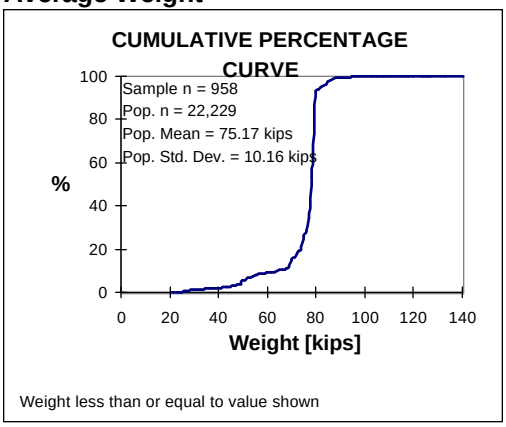


Weight less than or equal to value shown

External Trailer Width

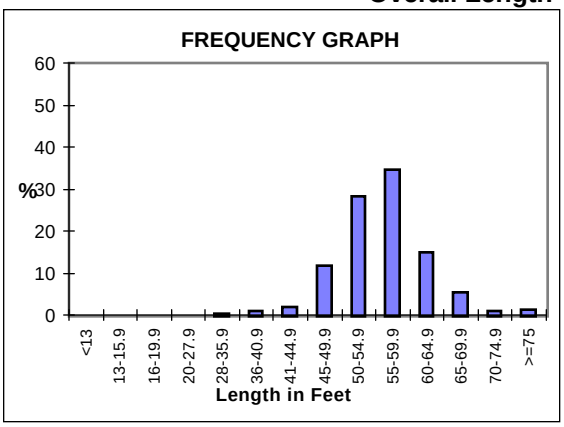


Average Weight

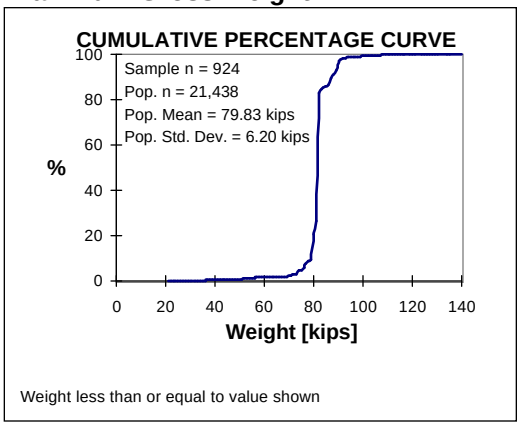


Weight less than or equal to value shown

Overall Length

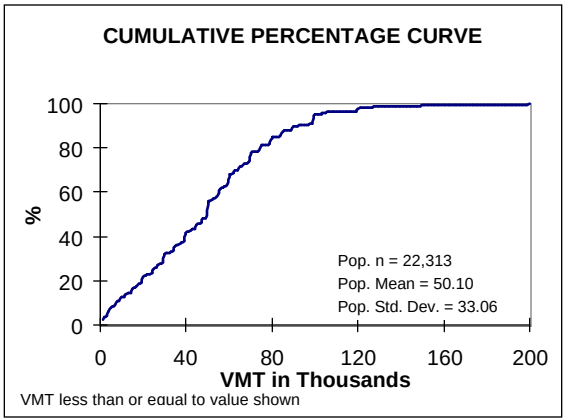


Maximum Gross Weight



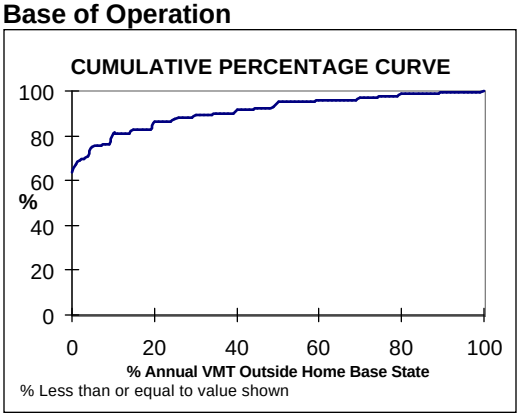
Weight less than or equal to value shown

Annual VMT



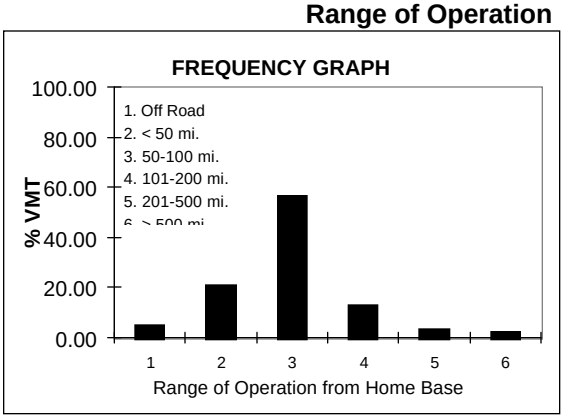
VMT less than or equal to value shown

Base of Operation



% Less than or equal to value shown

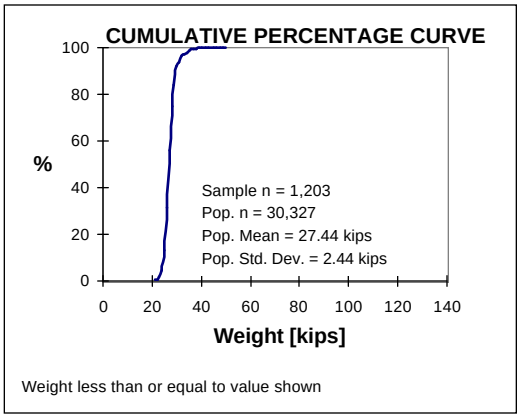
Range of Operation



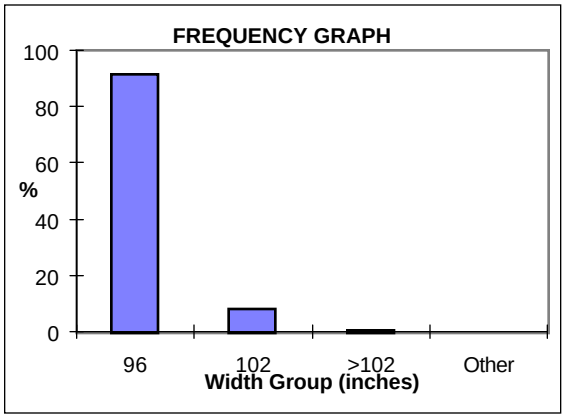
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1992 Fleet*
Body Type: Grain Bodies
Population Size: 32,696 Sample Size: 1,304

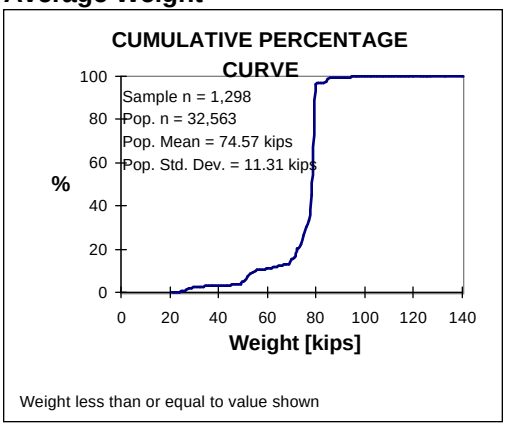
Empty Weight



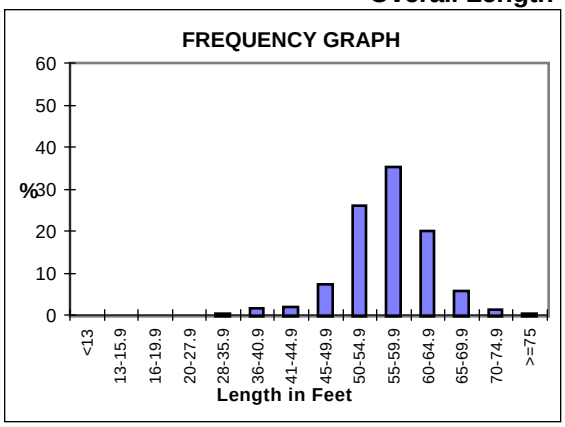
External Trailer Width



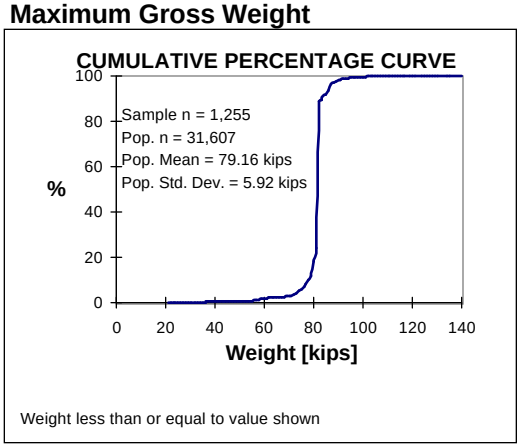
Average Weight



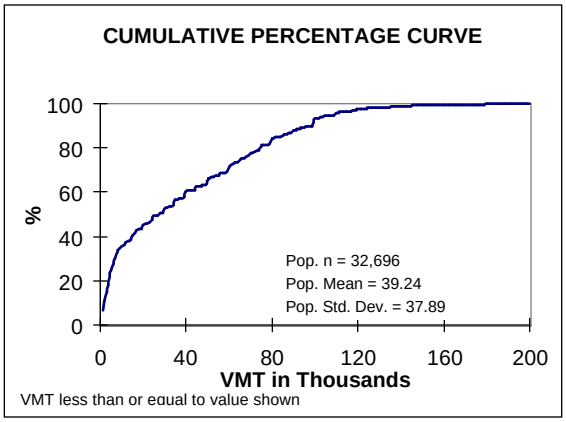
Overall Length



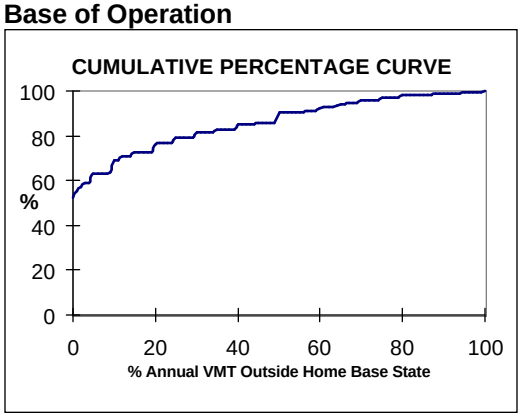
Maximum Gross Weight



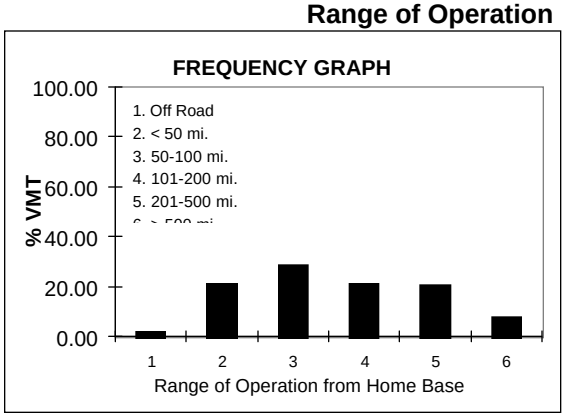
Annual VMT



Base of Operation



Range of Operation



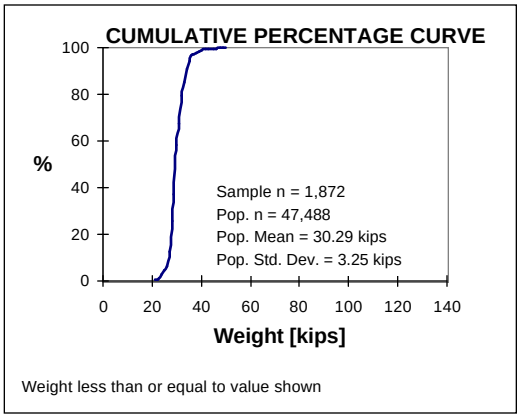
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1992 Fleet*

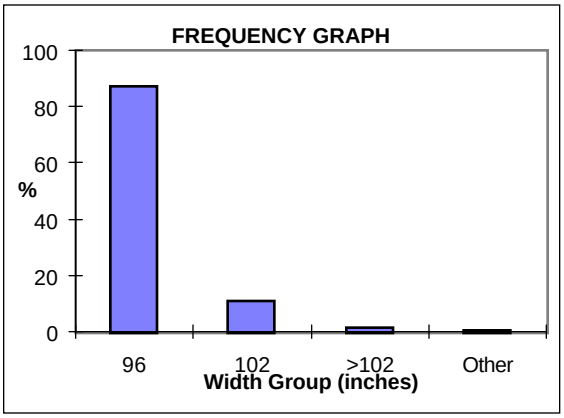
Body Type: Dump Truck

Population Size: 51,300 Sample Size: 2,059

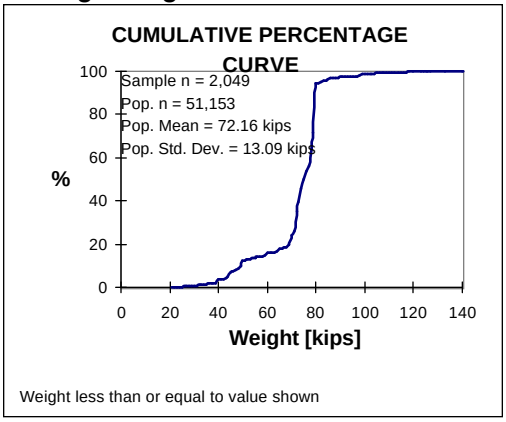
Empty Weight



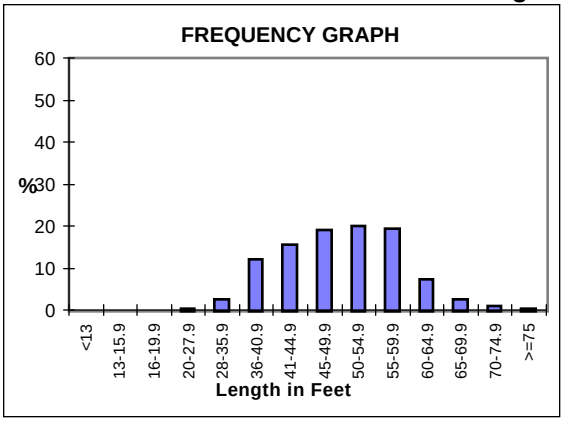
External Trailer Width



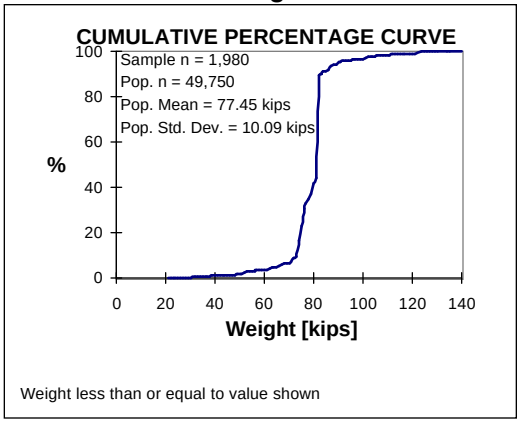
Average Weight



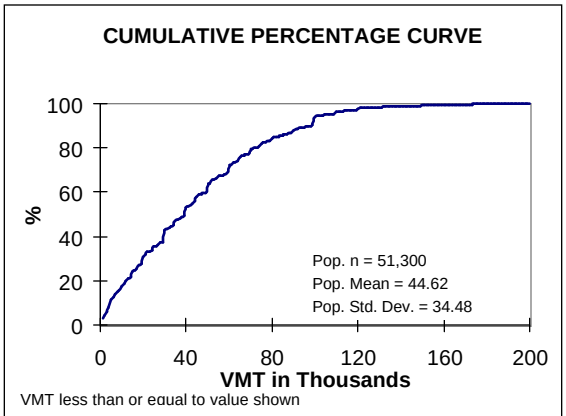
Overall Length



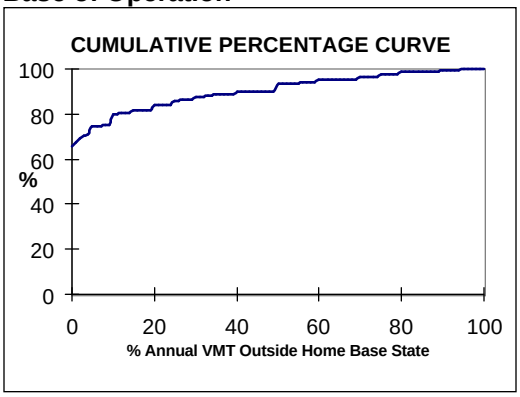
Maximum Gross Weight



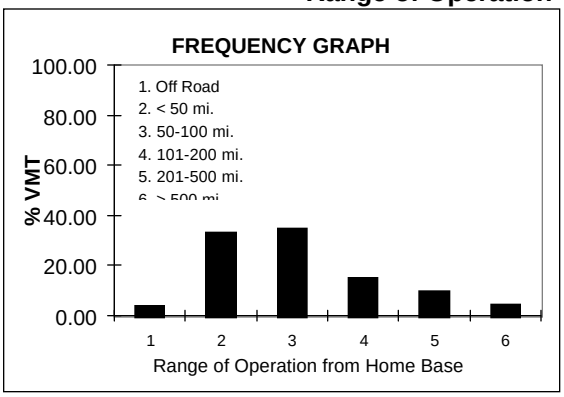
Annual VMT



Base of Operation



Range of Operation



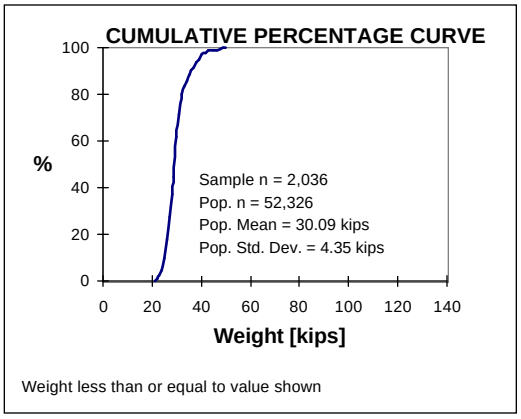
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1992 Fleet*

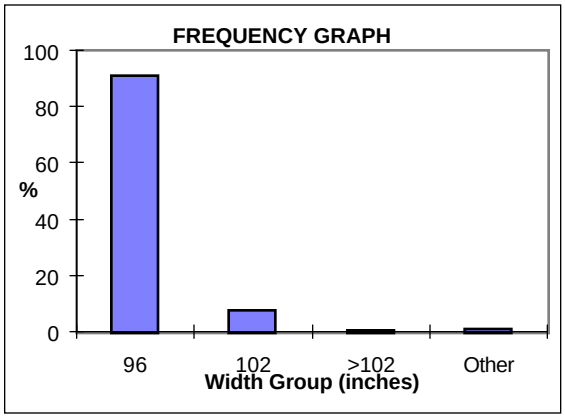
Body Type: Tank - Liquid or Gas

Population Size: 61,043 Sample Size: 2,350

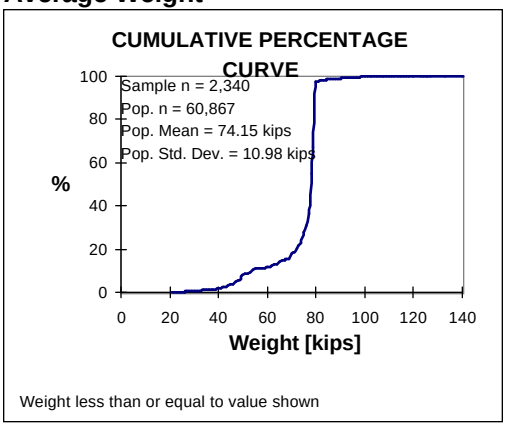
Empty Weight



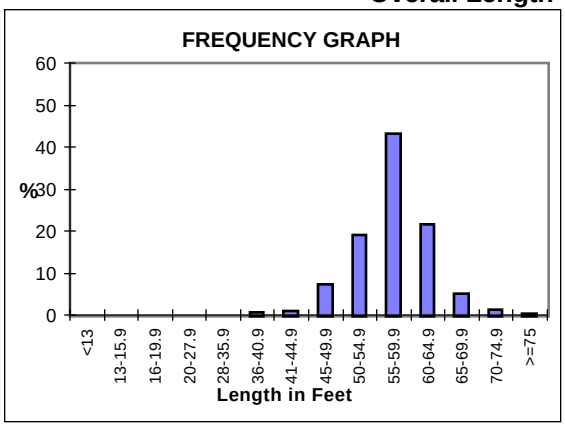
External Trailer Width



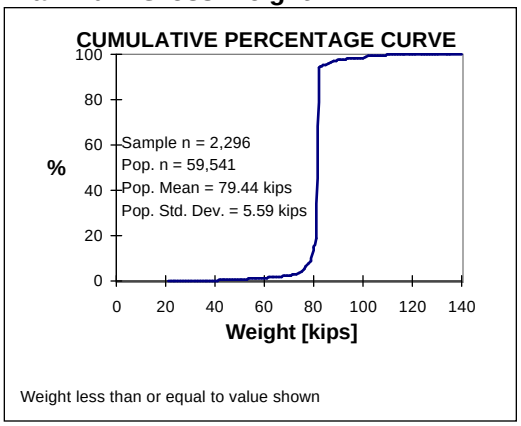
Average Weight



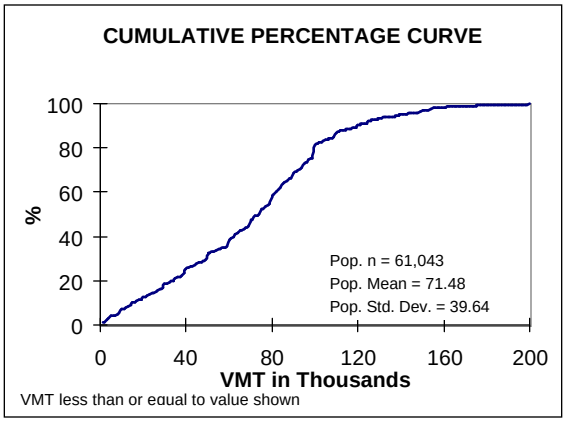
Overall Length



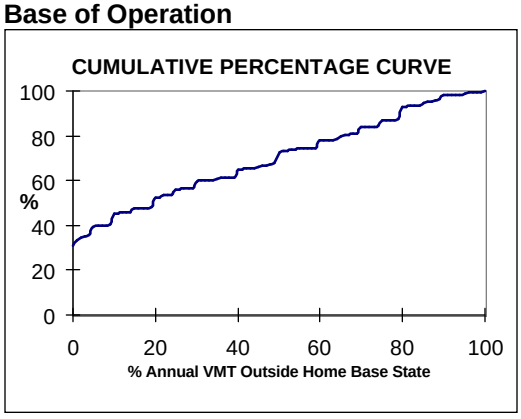
Maximum Gross Weight



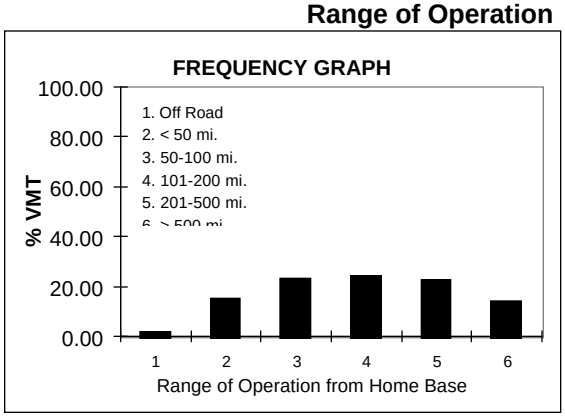
Annual VMT



Base of Operation



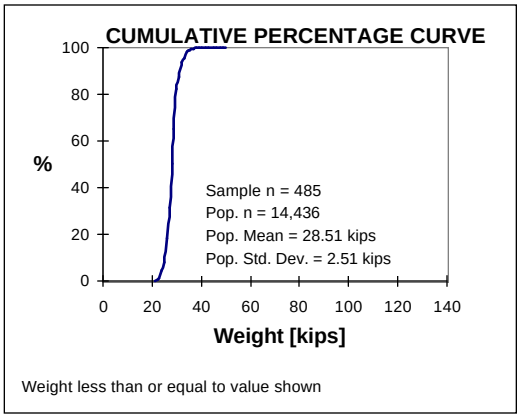
Range of Operation



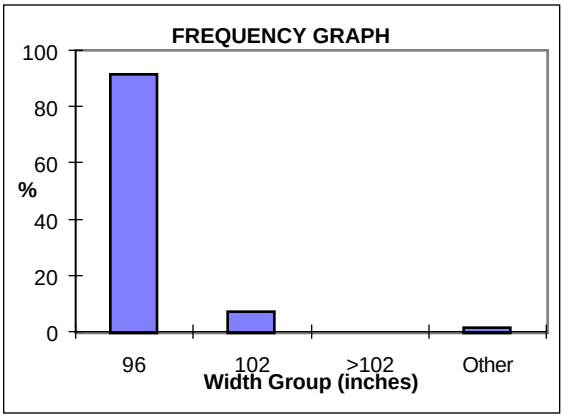
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1992 Fleet*
Body Type: Tank - Dry
Population Size: 15,809 Sample Size: 534

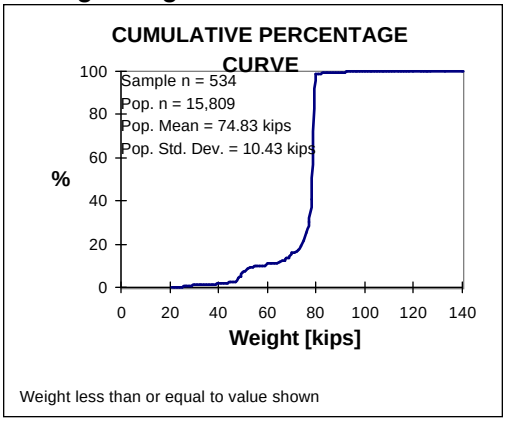
Empty Weight



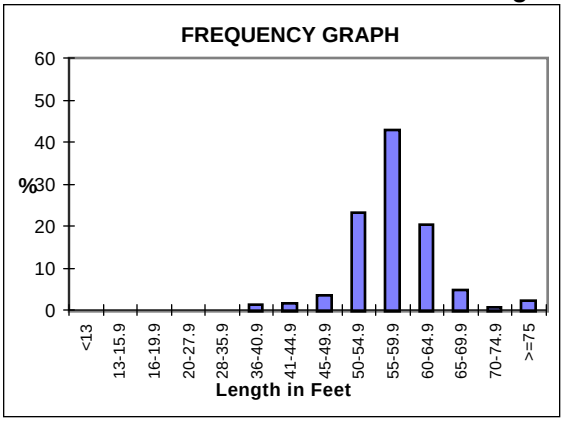
External Trailer Width



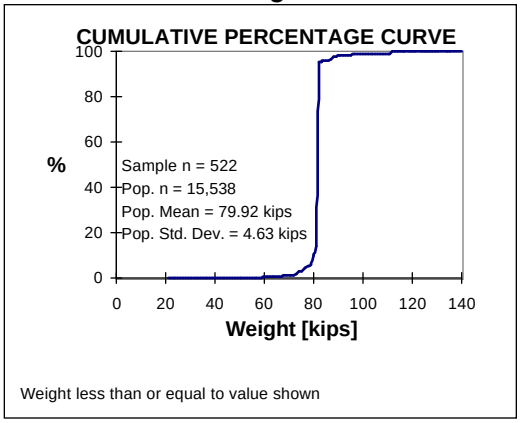
Average Weight



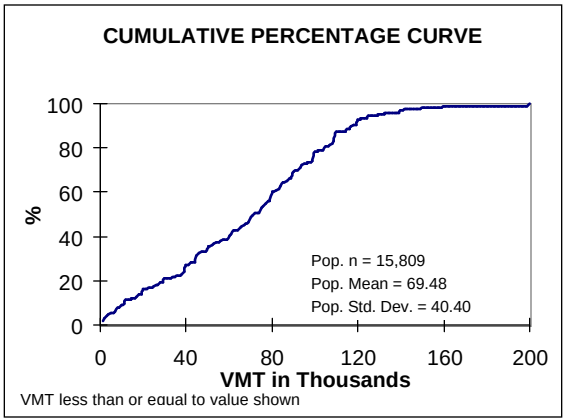
Overall Length



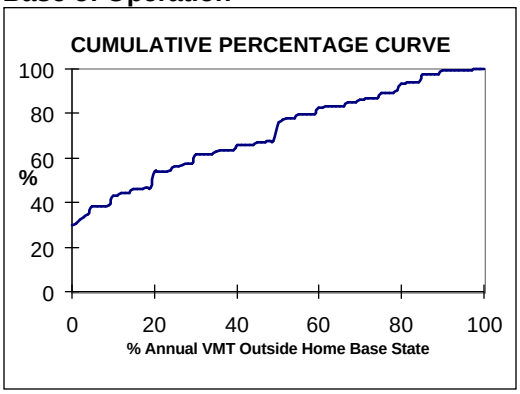
Maximum Gross Weight



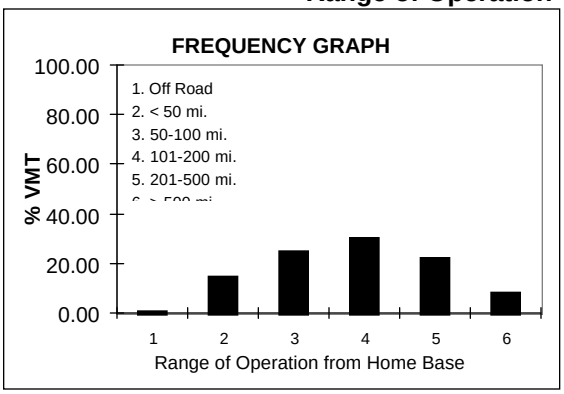
Annual VMT



Base of Operation



Range of Operation



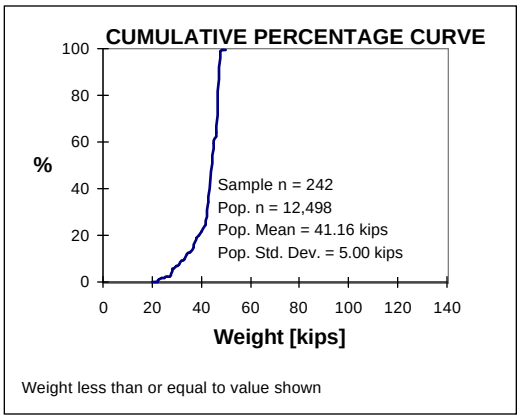
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1992 Fleet*

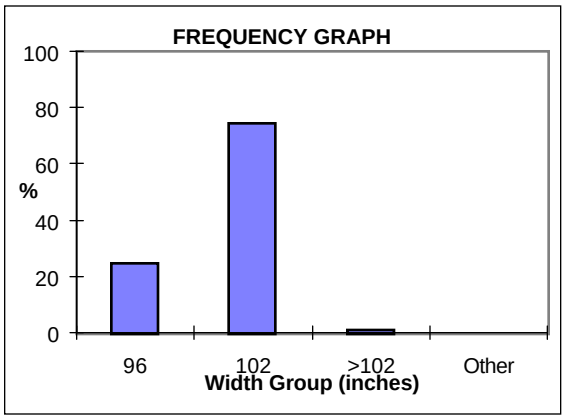
Body Type: Automobile Transport

Population Size: 13,164 Sample Size: 262

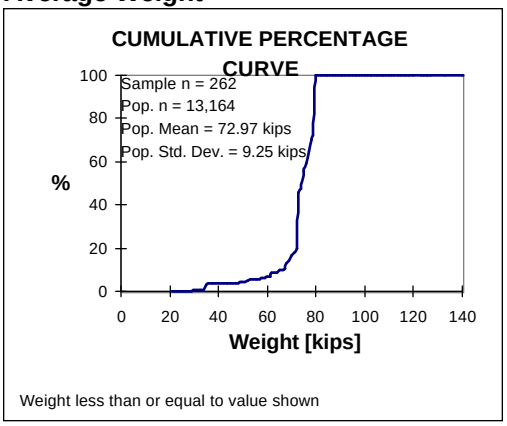
Empty Weight



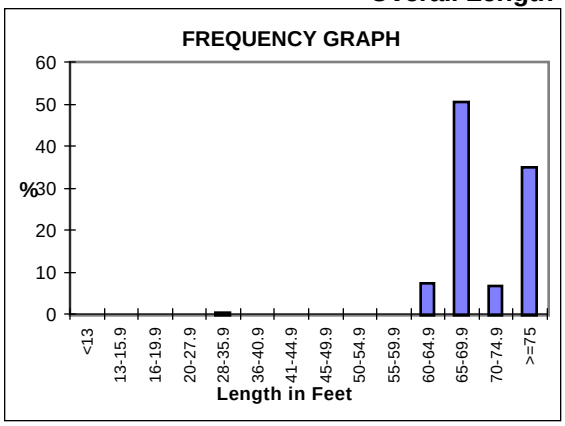
External Trailer Width



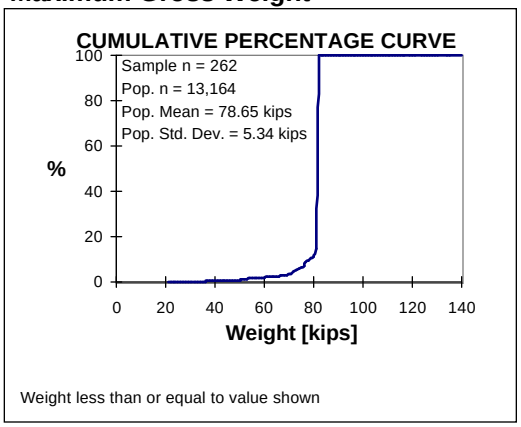
Average Weight



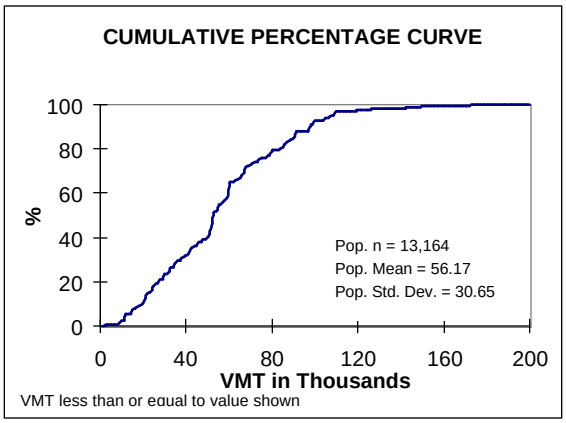
Overall Length



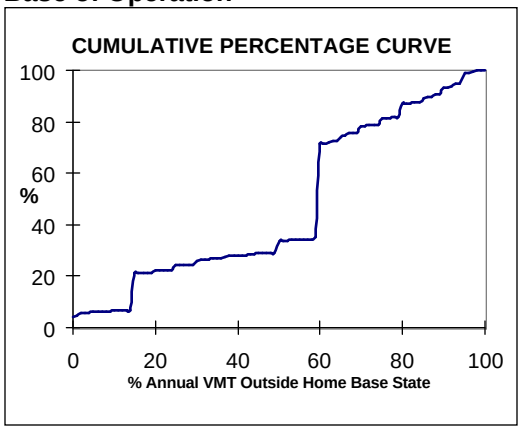
Maximum Gross Weight



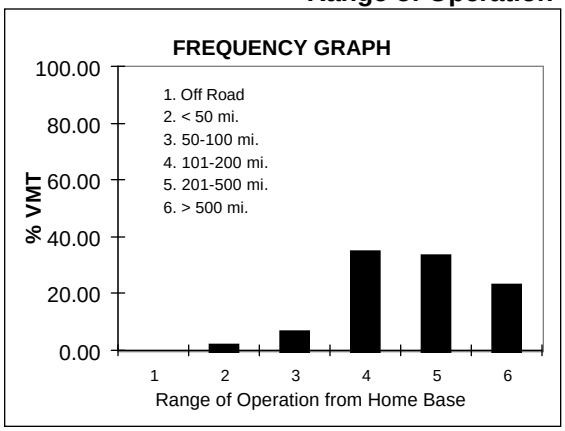
Annual VMT



Base of Operation



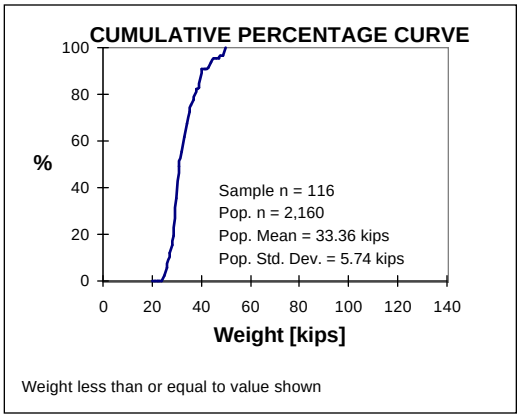
Range of Operation



Source: 1992 Truck Inventory and Use Survey 3/4/96

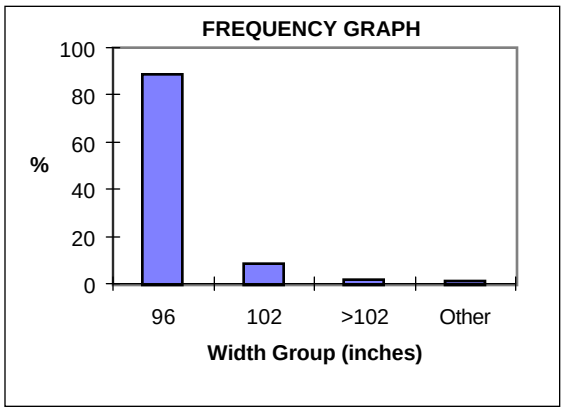
Vehicle Type: 3-S3 *1992 Fleet*
Body Type: Tank Liquid
Population Size: 3,447 Sample Size: 158

Empty Weight

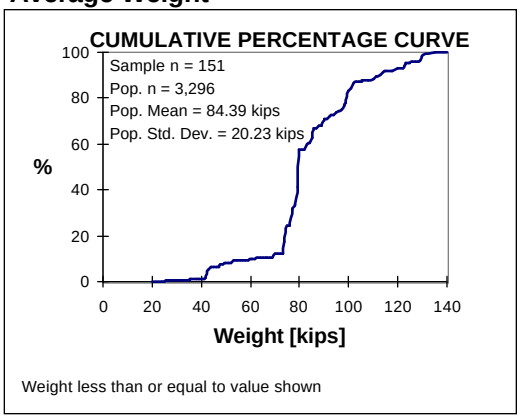


Weight less than or equal to value shown

External Trailer Width

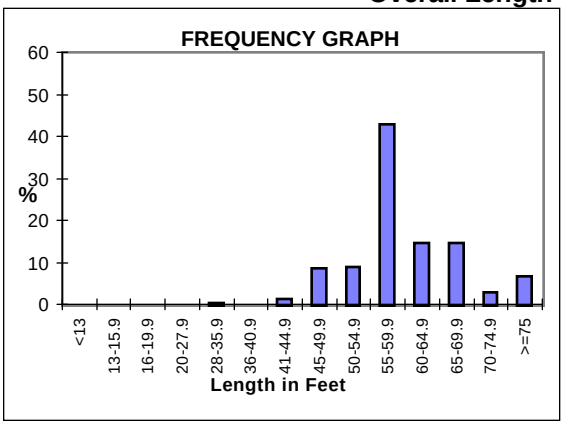


Average Weight

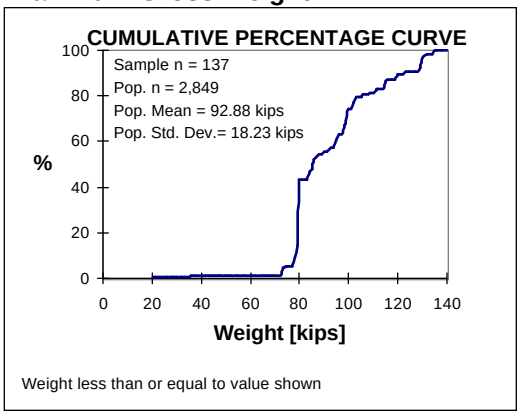


Weight less than or equal to value shown

Overall Length

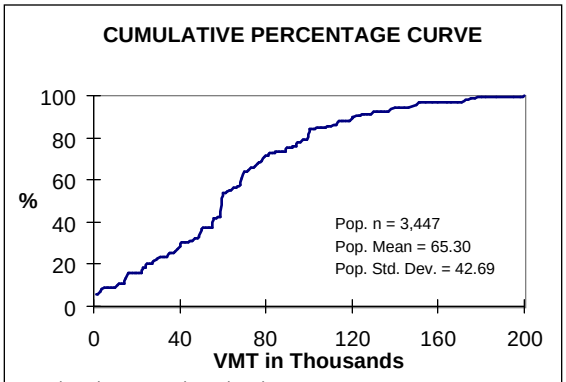


Maximum Gross Weight



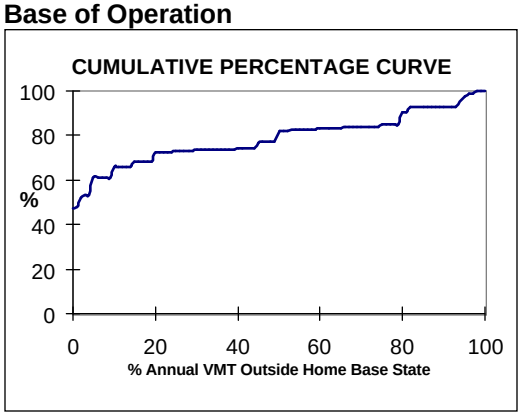
Weight less than or equal to value shown

Annual VMT

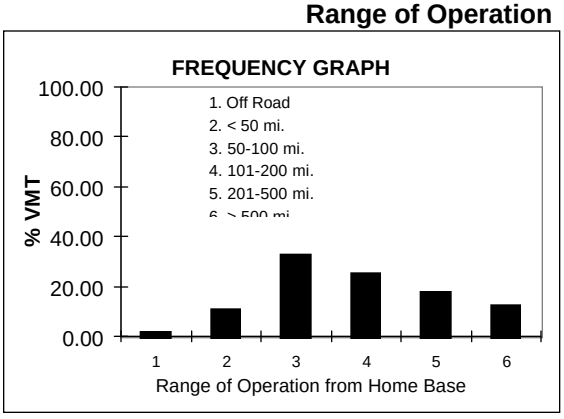


VMT less than or equal to value shown

Base of Operation



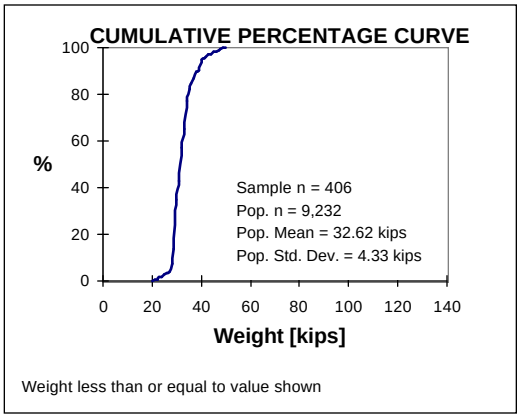
Range of Operation



Source: 1992 Truck Inventory and Use Survey 3/4/96

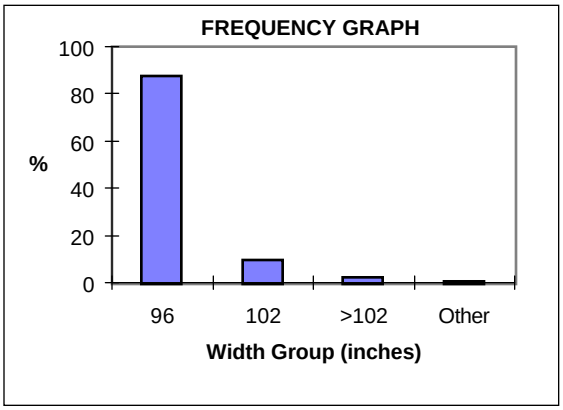
Vehicle Type: 3-S3 *1992 Fleet*
Body Type: Dump Truck
Population Size: 10,542 Sample Size: 470

Empty Weight

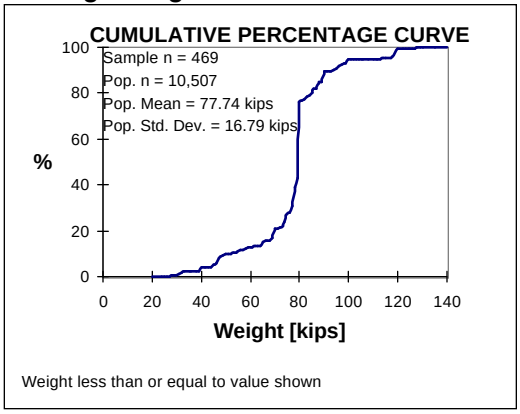


Weight less than or equal to value shown

External Trailer Width

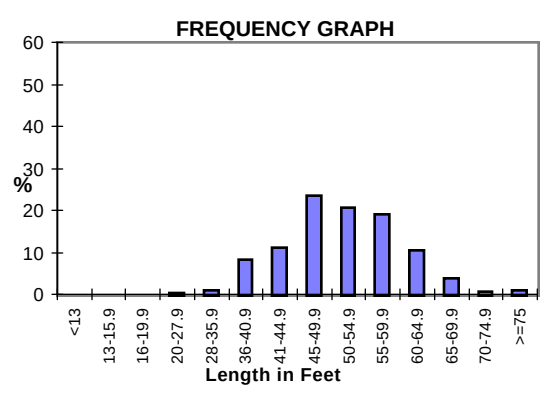


Average Weight

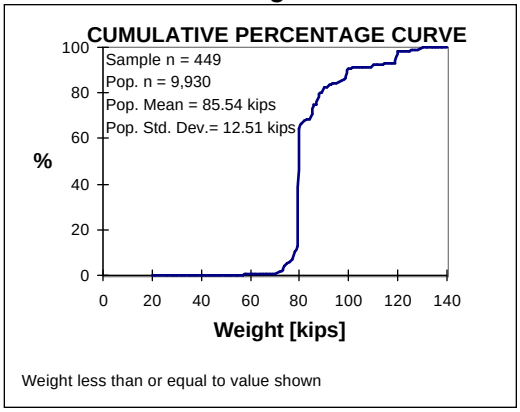


Weight less than or equal to value shown

Overall Length

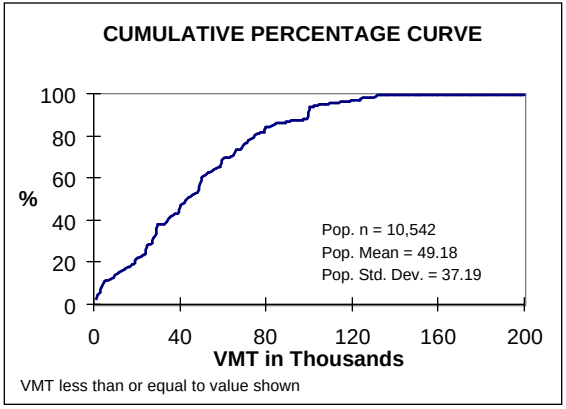


Maximum Gross Weight



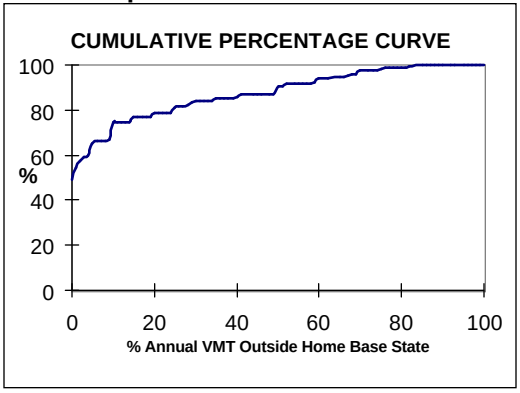
Weight less than or equal to value shown

Annual VMT

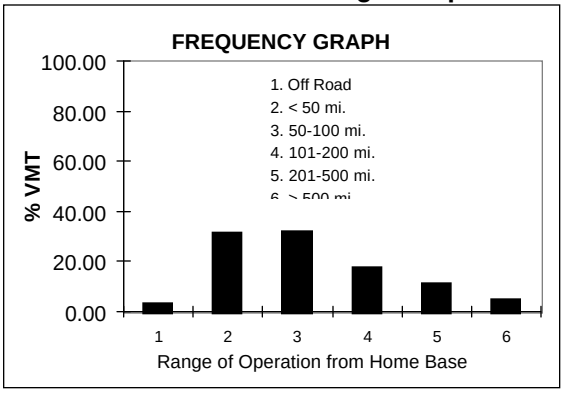


VMT less than or equal to value shown

Base of Operation



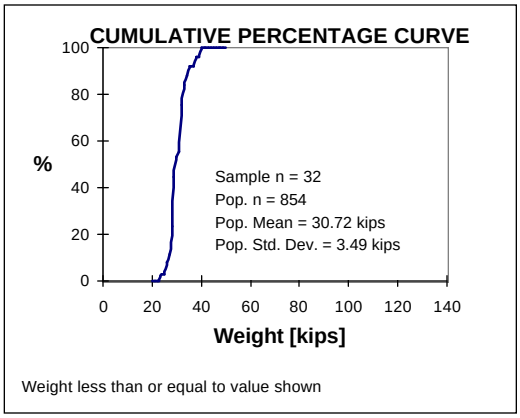
Range of Operation



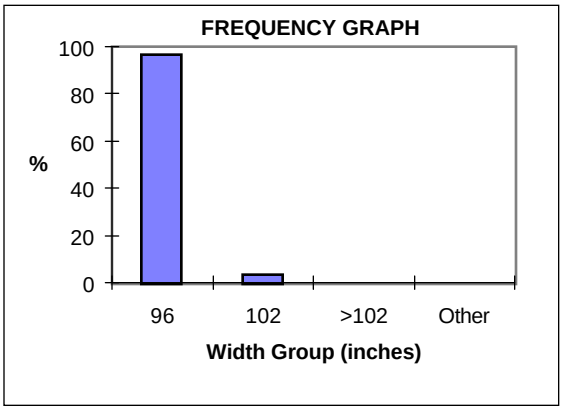
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S3 *1992 Fleet*
Body Type: Grain Bodies
Population Size: 1,014 Sample Size: 41

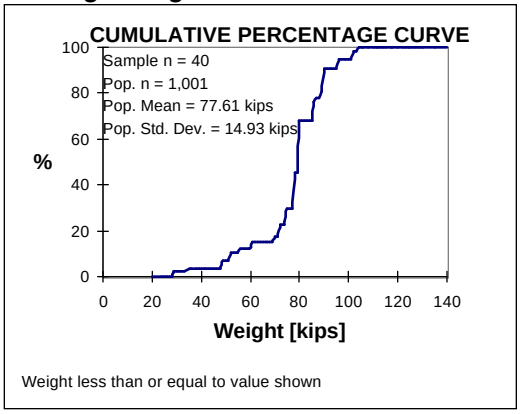
Empty Weight



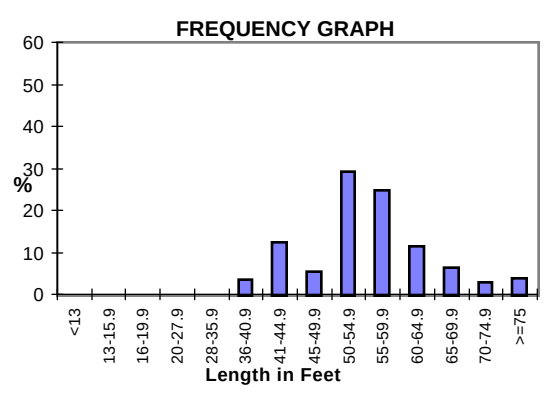
External Trailer Width



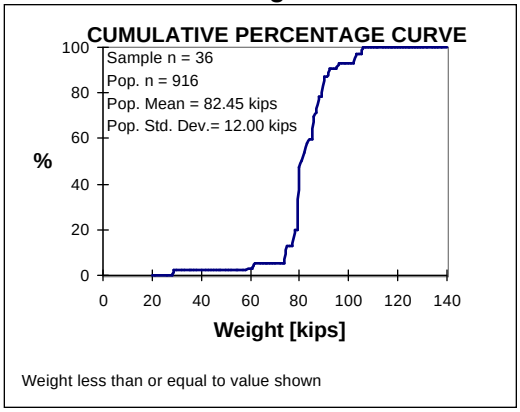
Average Weight



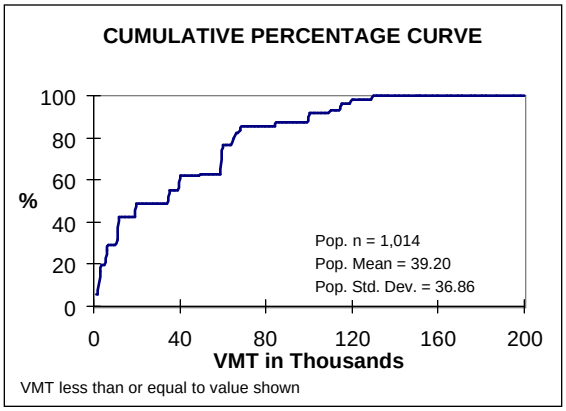
Overall Length



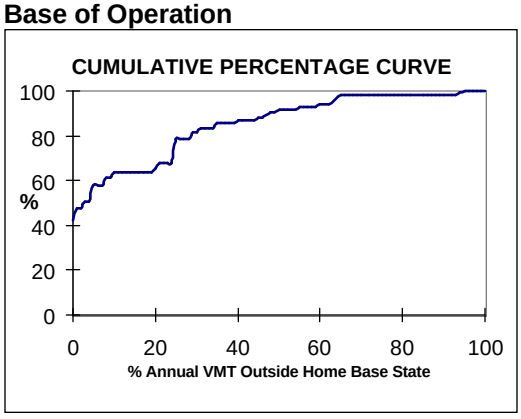
Maximum Gross Weight



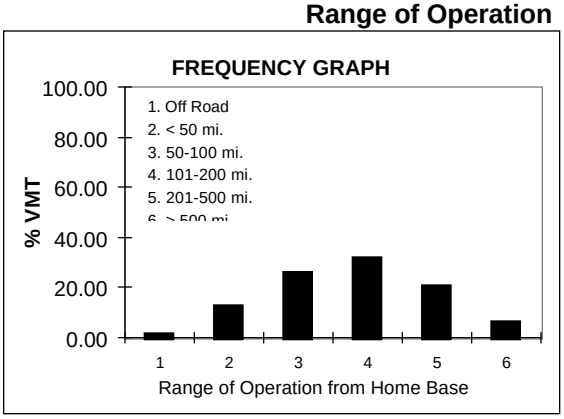
Annual VMT



Base of Operation



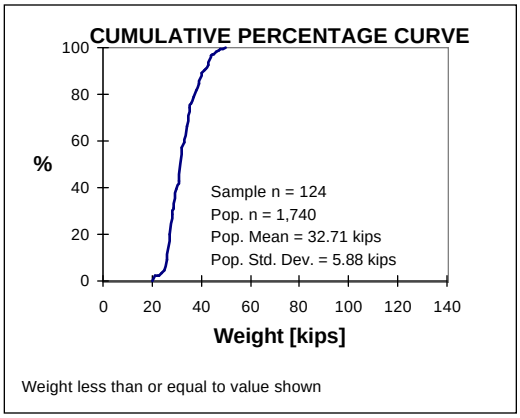
Range of Operation



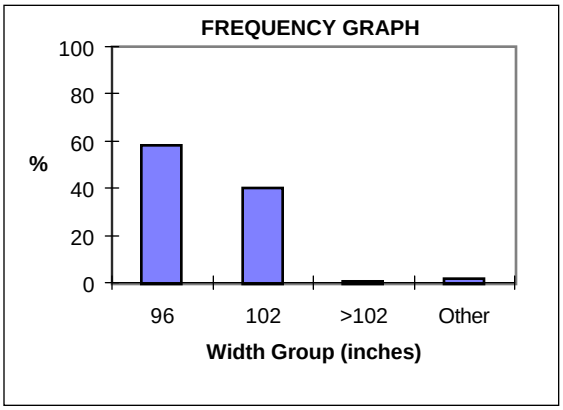
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S3 *1992 Fleet*
Body Type: Pole Logging
Population Size: 2,087 Sample Size: 138

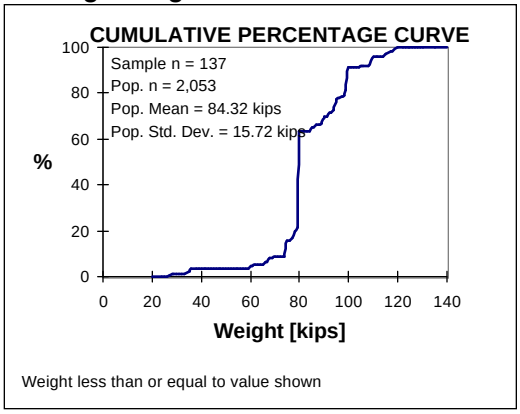
Empty Weight



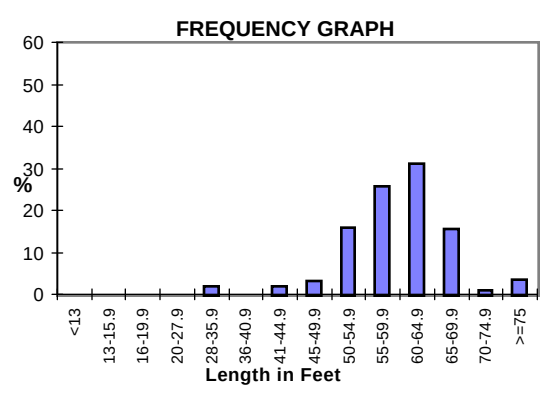
External Trailer Width



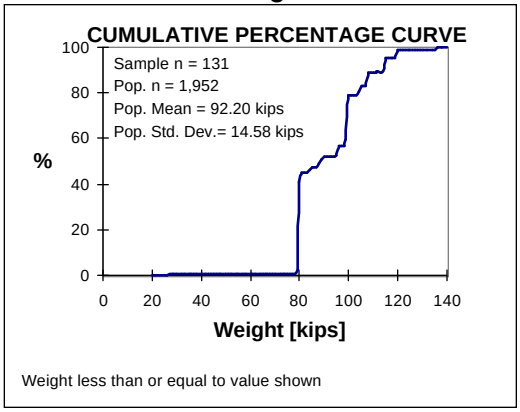
Average Weight



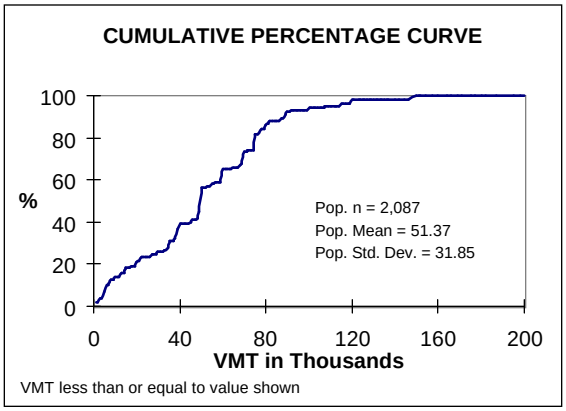
Overall Length



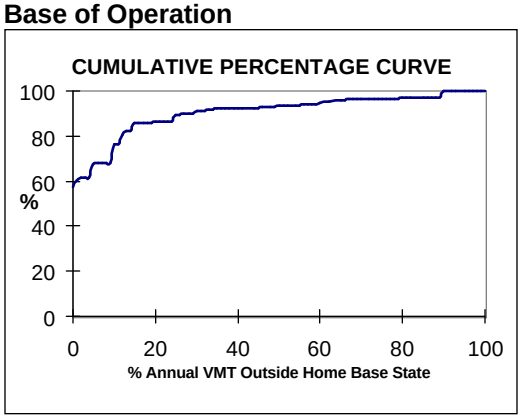
Maximum Gross Weight



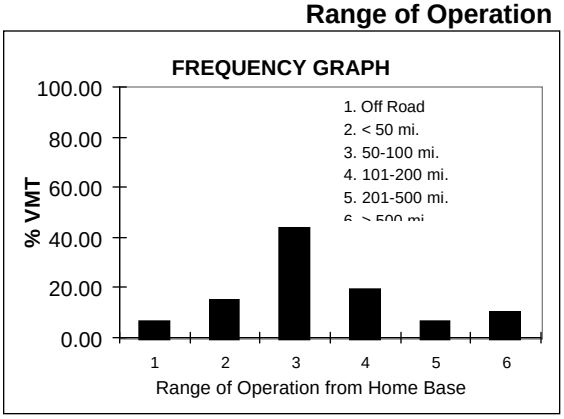
Annual VMT



Base of Operation



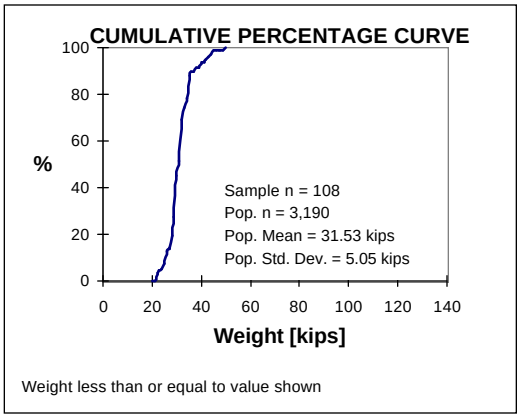
Range of Operation



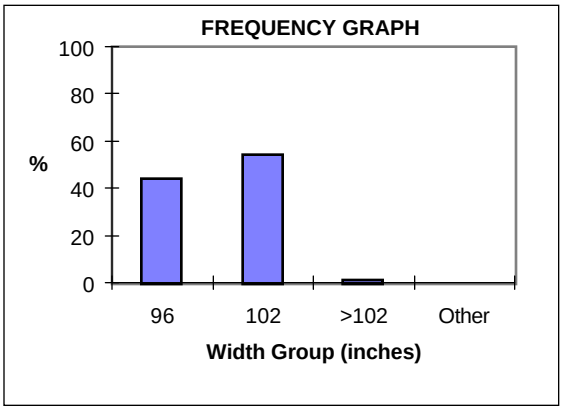
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S3 *1992 Fleet*
Body Type: Basic Enclosed
Population Size: 5,932 Sample Size: 201

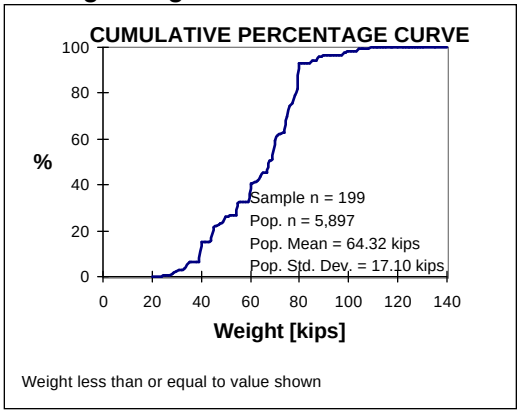
Empty Weight



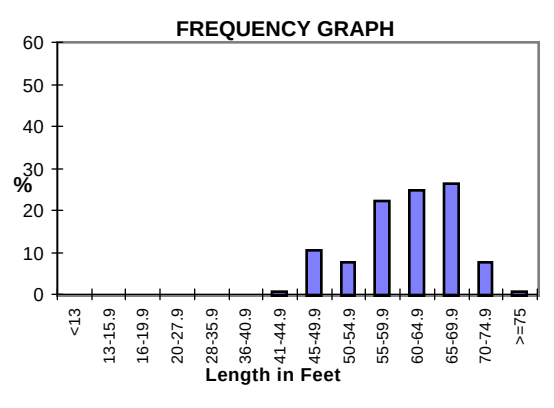
External Trailer Width



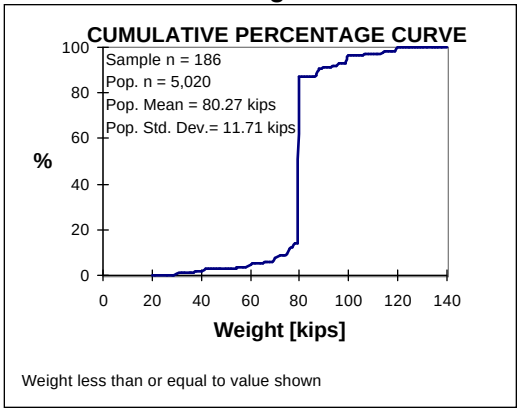
Average Weight



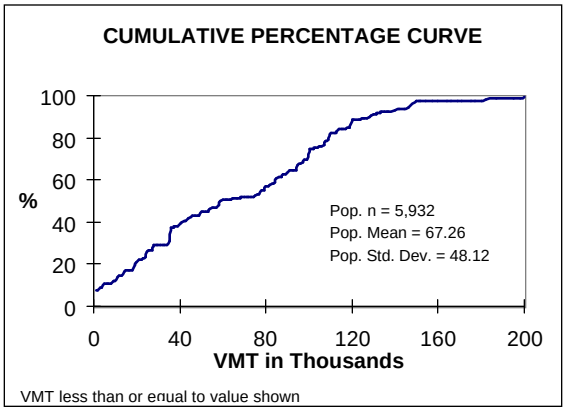
Overall Length



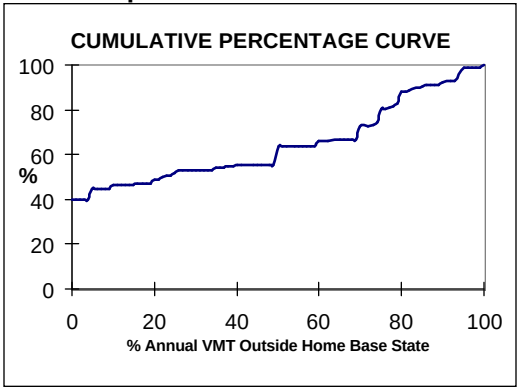
Maximum Gross Weight



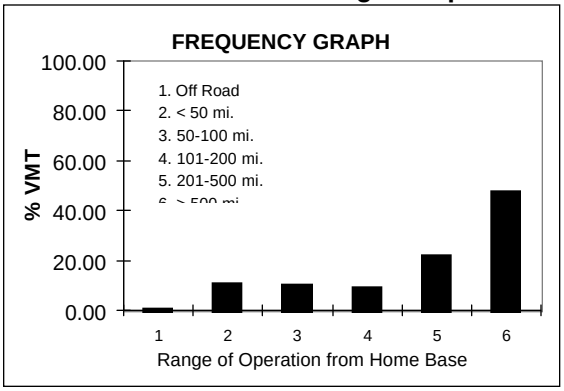
Annual VMT



Base of Operation



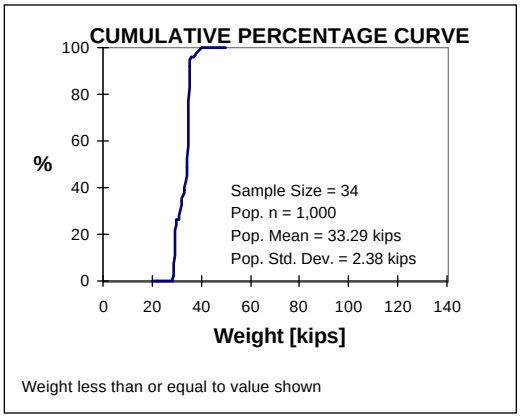
Range of Operation



Source: 1992 Truck Inventory and Use Survey 3/4/96

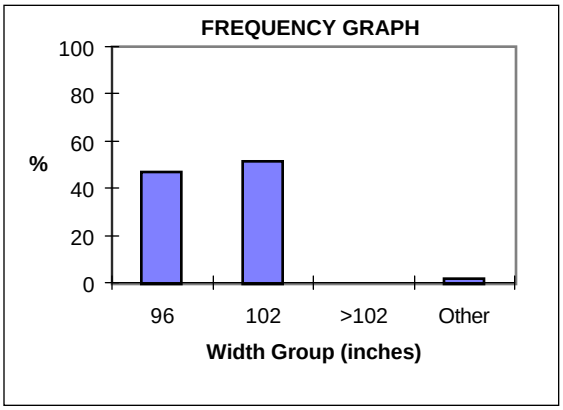
Vehicle Type: 3-S3 *1992 Fleet*
Body Type: Insulated Refrigerated
Population Size: 1,772 Sample Size: 68

Empty Weight

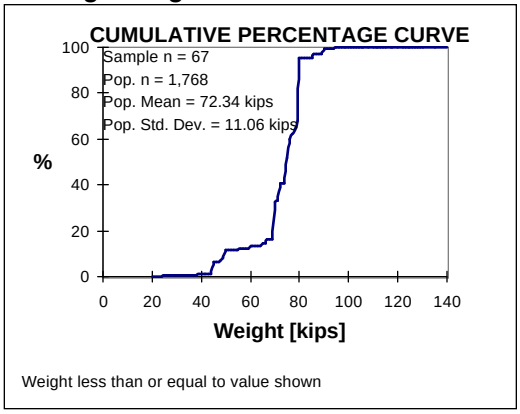


Weight less than or equal to value shown

External Trailer Width

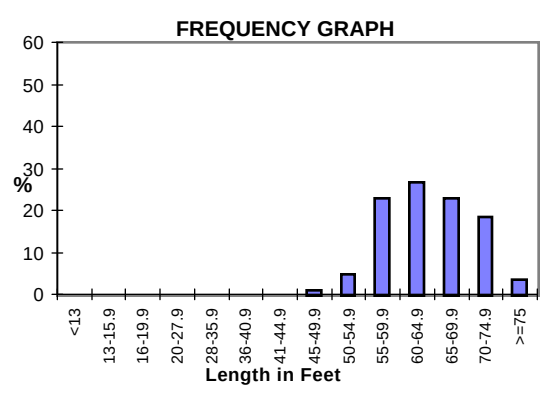


Average Weight

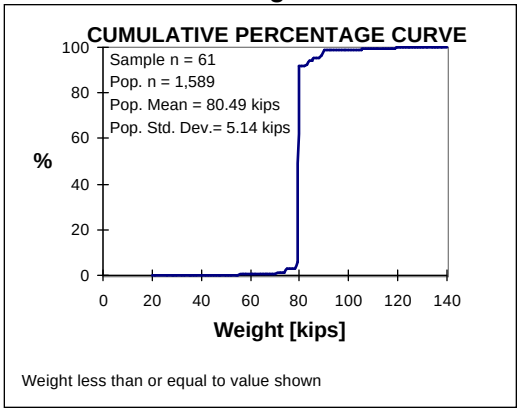


Weight less than or equal to value shown

Overall Length

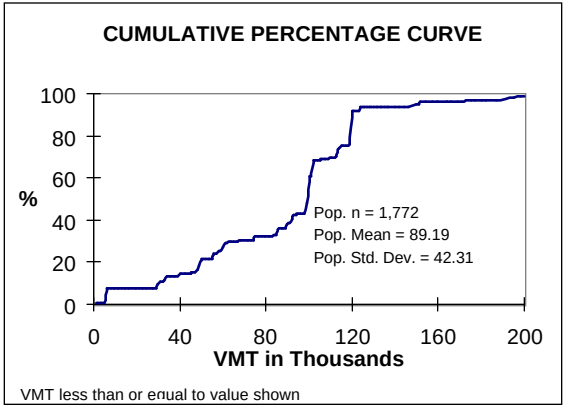


Maximum Gross Weight



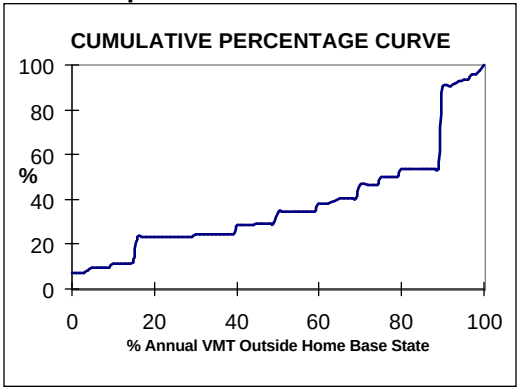
Weight less than or equal to value shown

Annual VMT

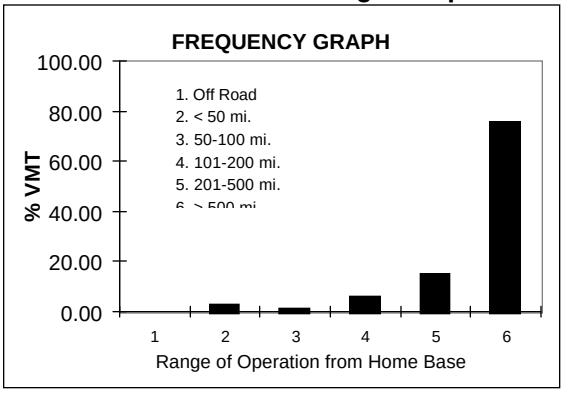


VMT less than or equal to value shown

Base of Operation



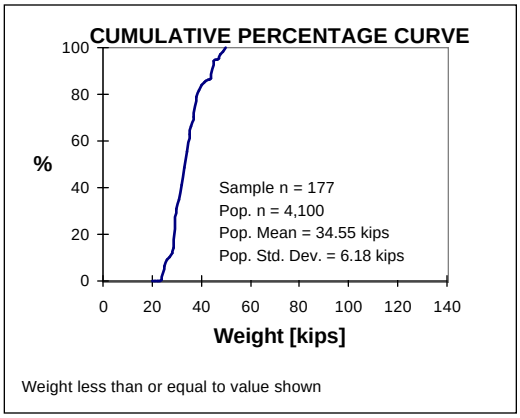
Range of Operation



Source: 1992 Truck Inventory and Use Survey 3/4/96

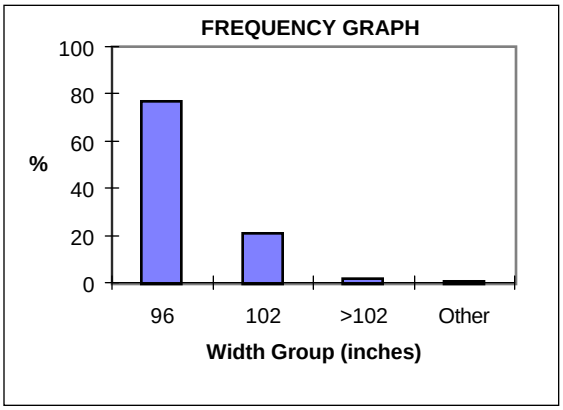
Vehicle Type: 3-S3 *1992 Fleet*
Body Type: Basic Platform
Population Size: 5,788 Sample Size: 237

Empty Weight

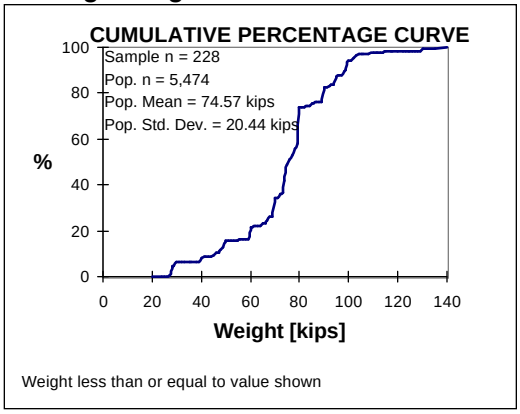


Weight less than or equal to value shown

External Trailer Width

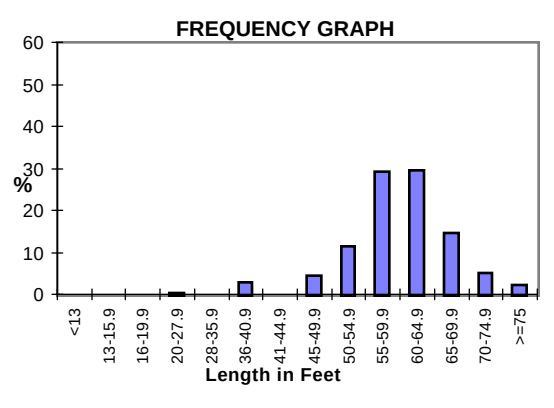


Average Weight

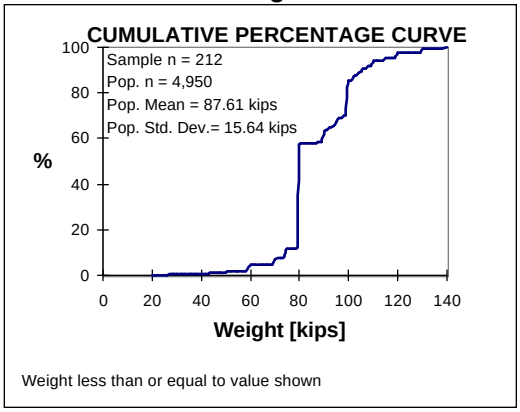


Weight less than or equal to value shown

Overall Length

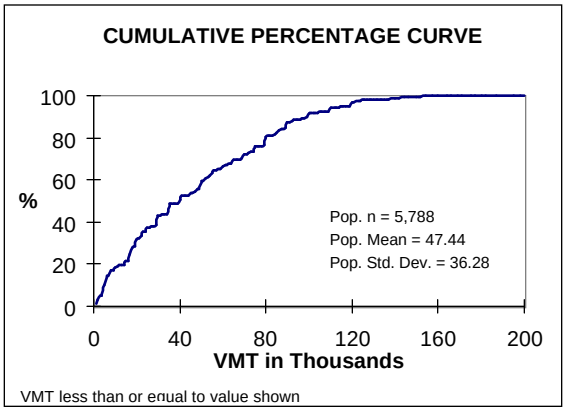


Maximum Gross Weight



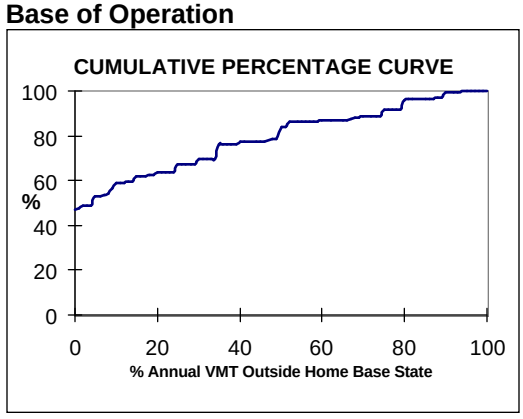
Weight less than or equal to value shown

Annual VMT

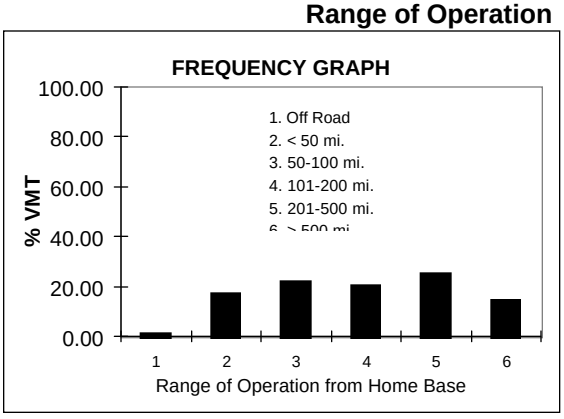


VMT less than or equal to value shown

Base of Operation



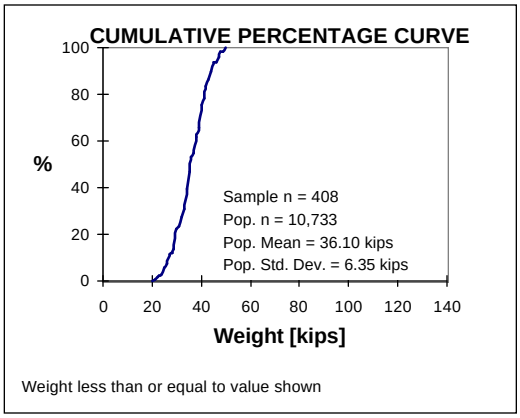
Range of Operation



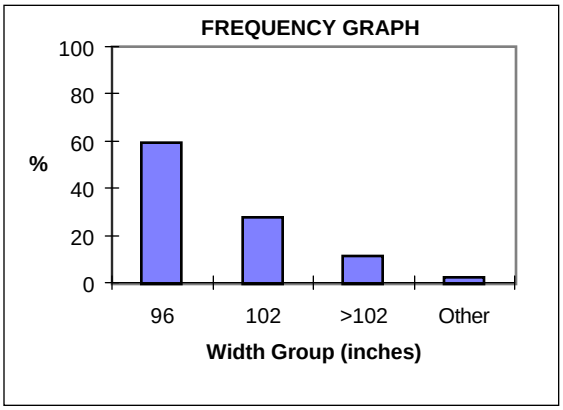
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S3 *1992 Fleet*
Body Type: Low Boy
Population Size: 13,430 Sample Size: 527

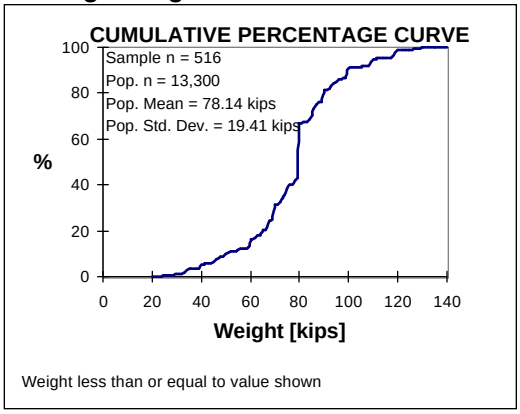
Empty Weight



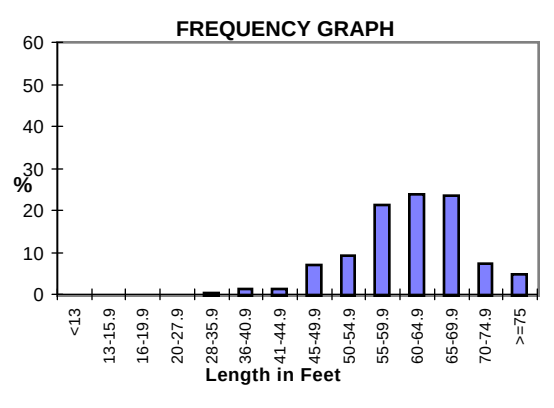
External Trailer Width



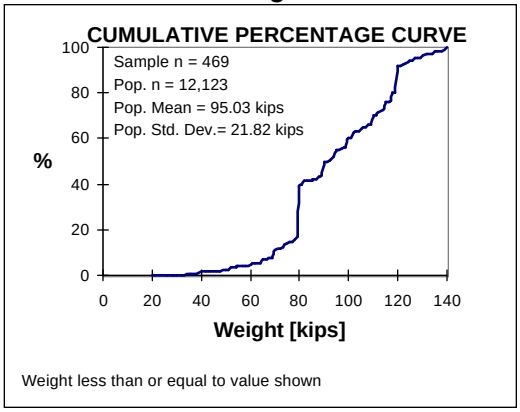
Average Weight



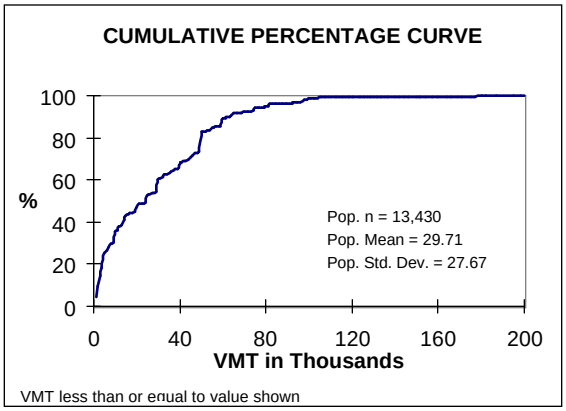
Overall Length



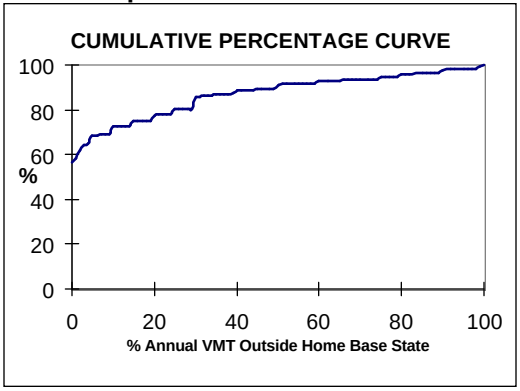
Maximum Gross Weight



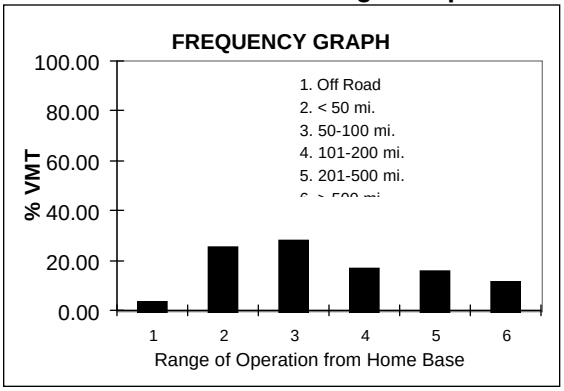
Annual VMT



Base of Operation



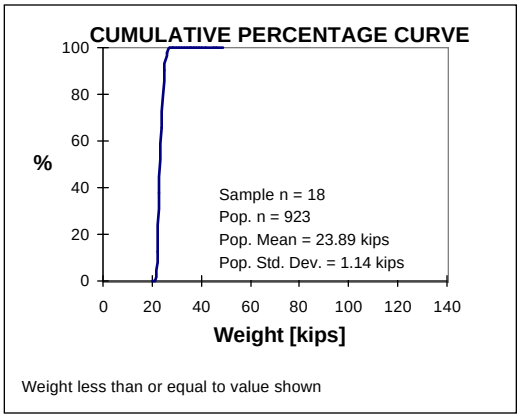
Range of Operation



Source: 1992 Truck Inventory and Use Survey 3/4/96

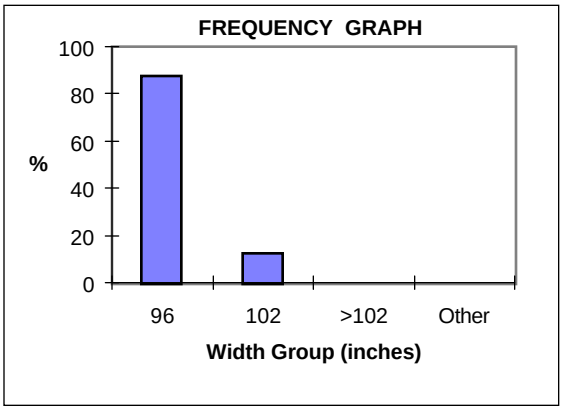
Vehicle Type: 2-S1-2 *1992 Fleet*
Body Type: Grain Bodies
Population Size: 946 Sample Size: 19

Empty Weight

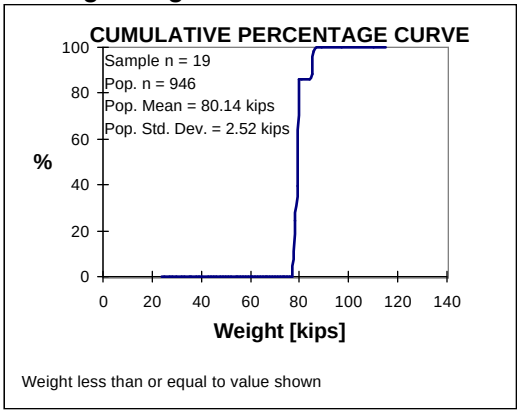


Weight less than or equal to value shown

External Trailer Width

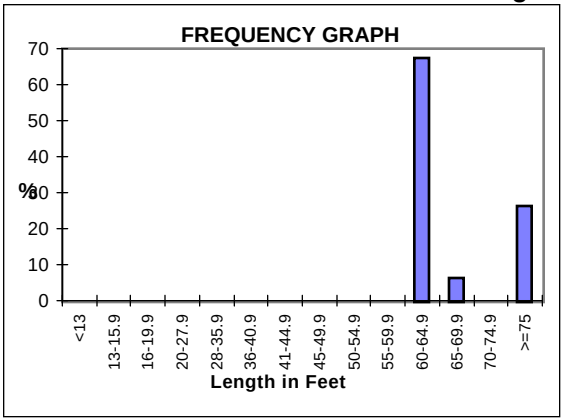


Average Weight

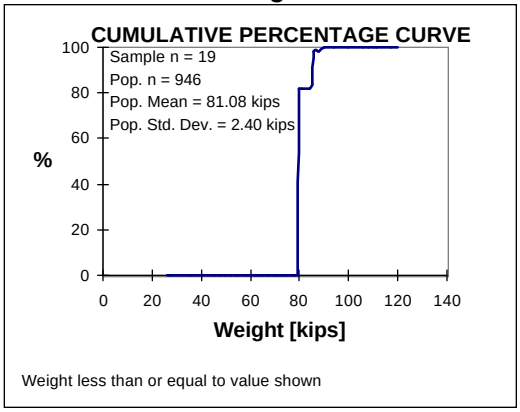


Weight less than or equal to value shown

Overall Length

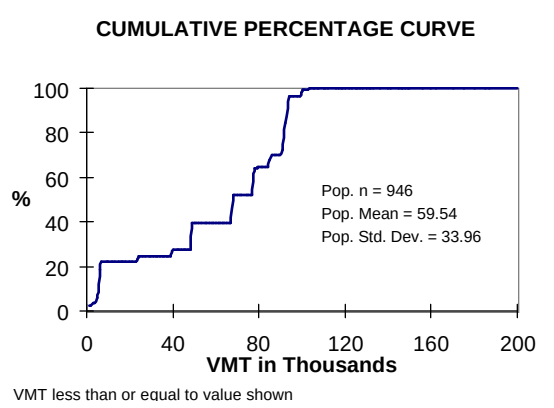


Maximum Gross Weight



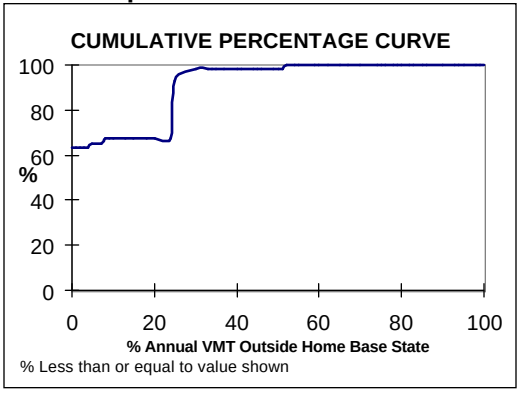
Weight less than or equal to value shown

Annual VMT



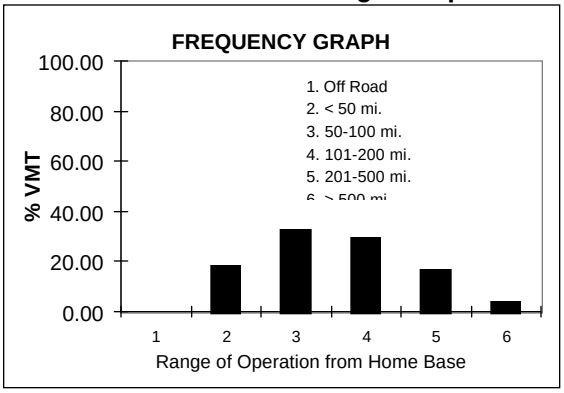
VMT less than or equal to value shown

Base of Operation



% Less than or equal to value shown

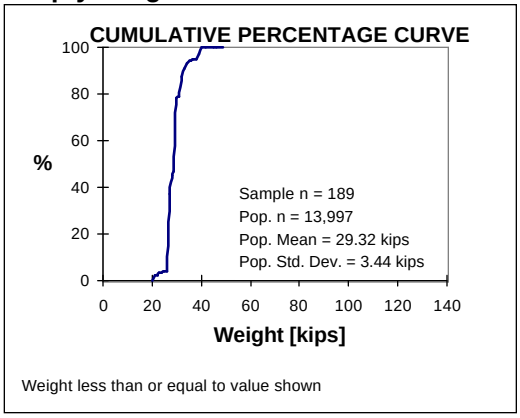
Range of Operation



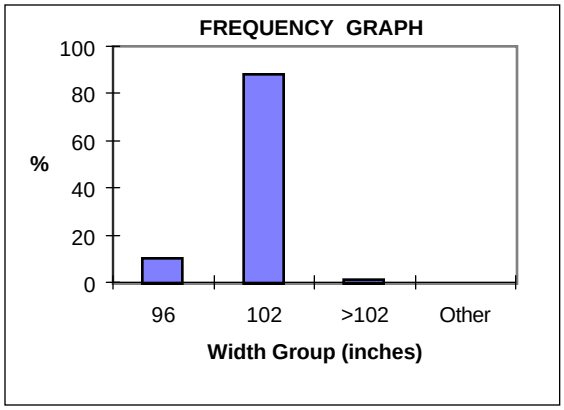
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 2-S1-2 *1992 Fleet*
Body Type: Basic Enclosed
Population Size: 20,812 Sample Size: 317

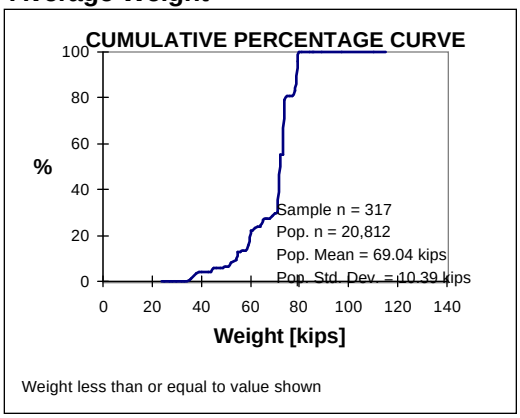
Empty Weight



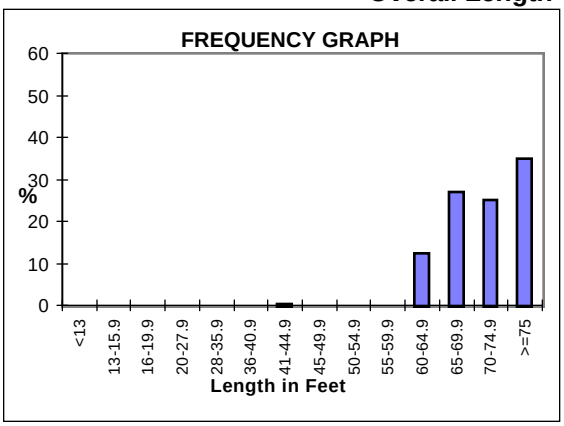
External Trailer Width



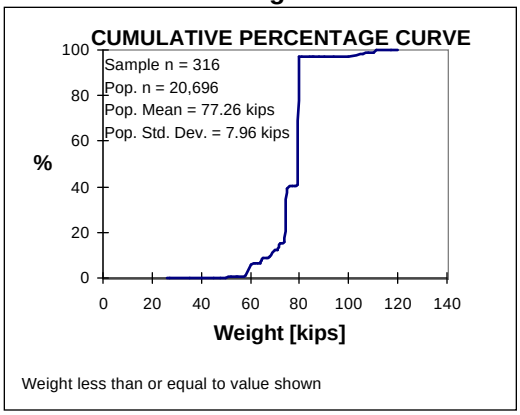
Average Weight



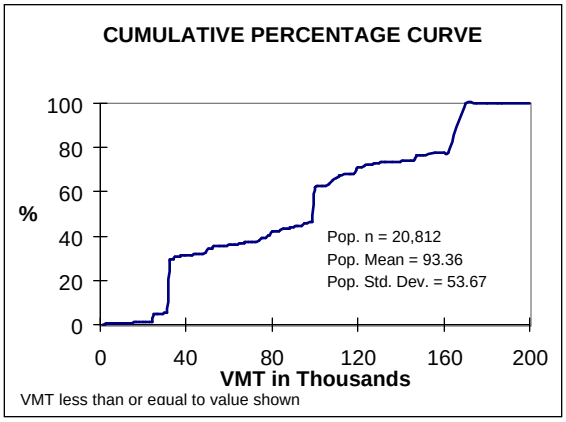
Overall Length



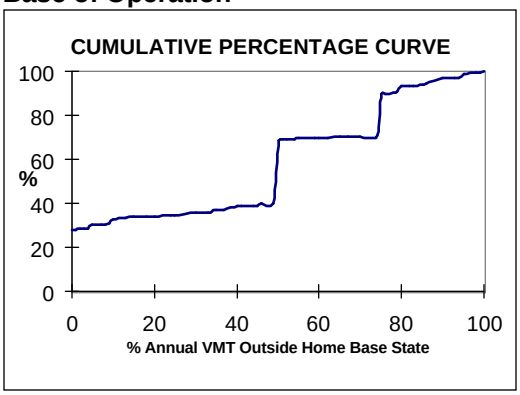
Maximum Gross Weight



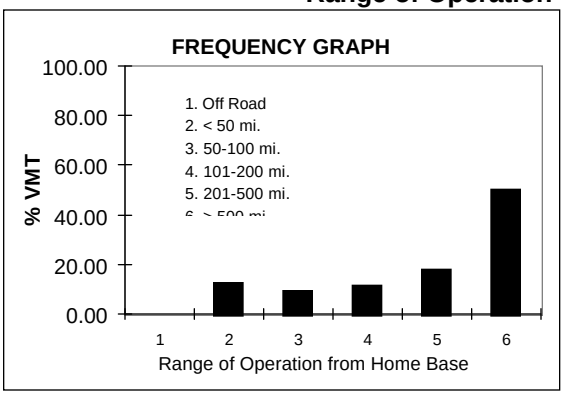
Annual VMT



Base of Operation



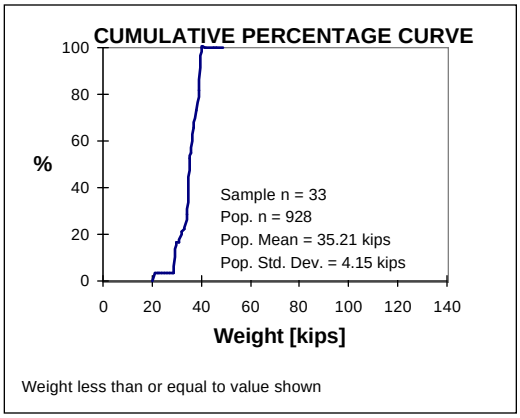
Range of Operation



Source: 1992 Truck Inventory and Use Survey 3/4/96

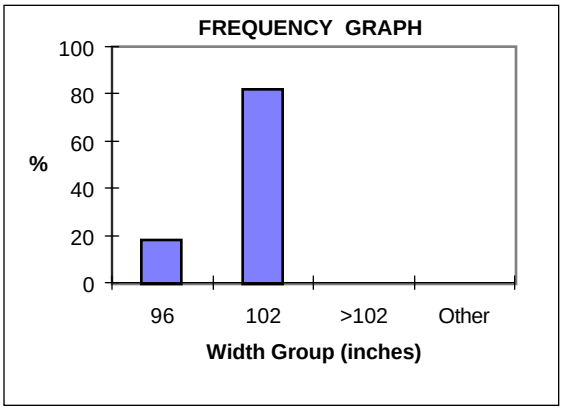
Vehicle Type: 2-S1-2 *1992 Fleet*
Body Type: Drop Frame
Population Size: 1,611 Sample Size: 48

Empty Weight

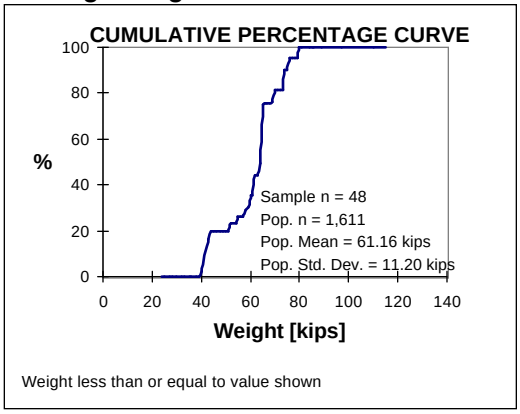


Weight less than or equal to value shown

External Trailer Width

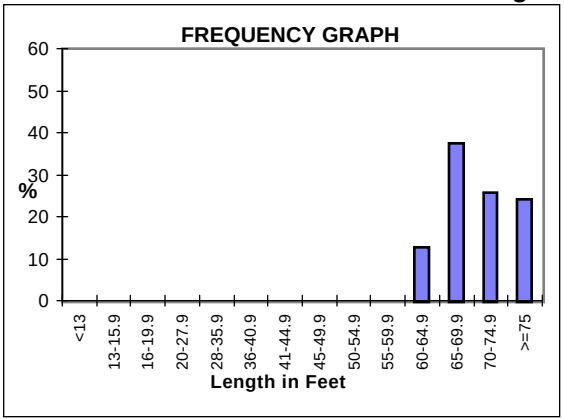


Average Weight

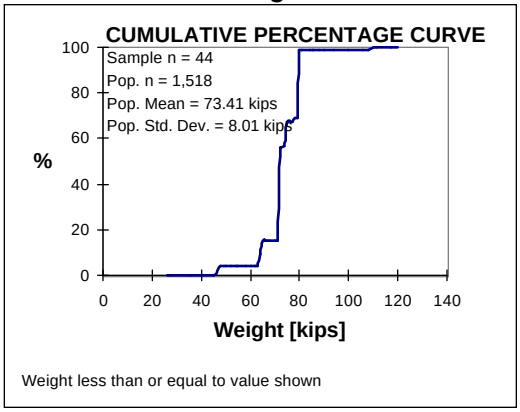


Weight less than or equal to value shown

Overall Length

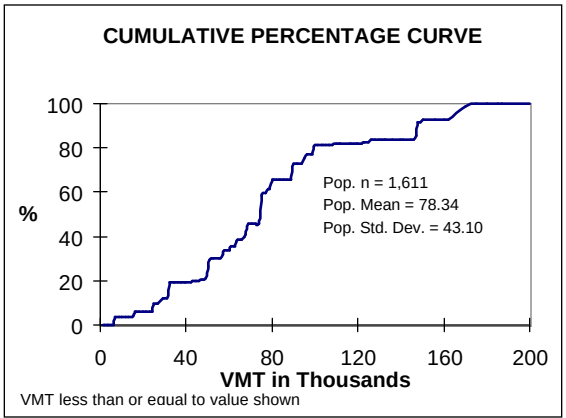


Maximum Gross Weight



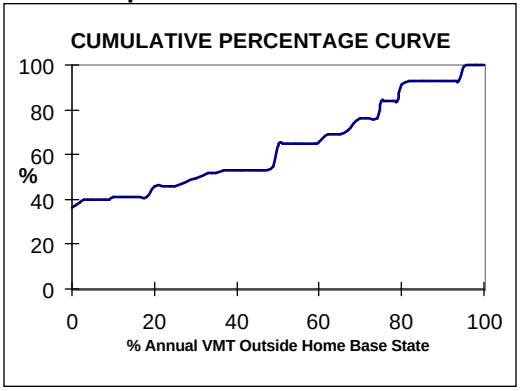
Weight less than or equal to value shown

Annual VMT

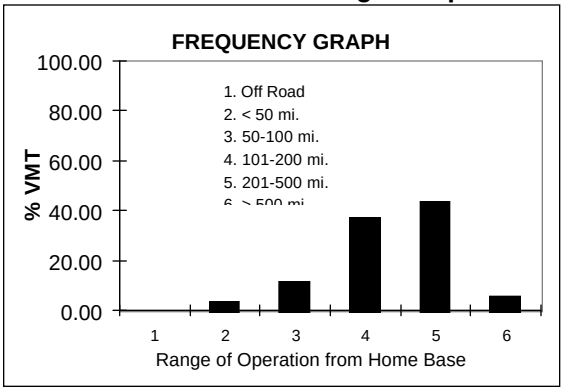


VMT less than or equal to value shown

Base of Operation



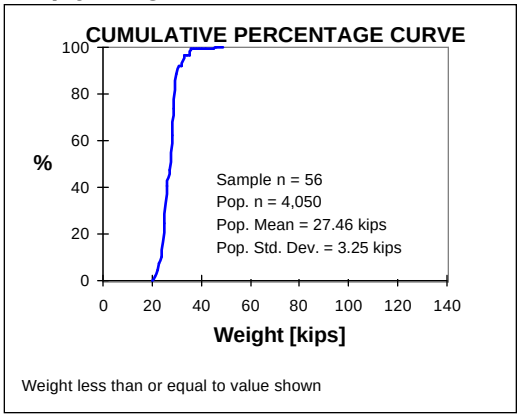
Range of Operation



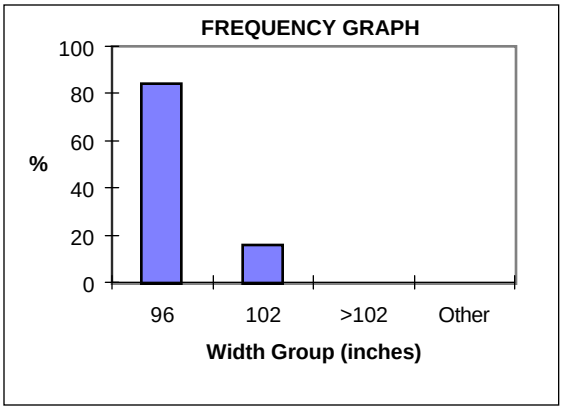
Source: 1992 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 2-S1-2 *1992 Fleet*
Body Type: Basic Platform
Population Size: 4,640 Sample Size: 66

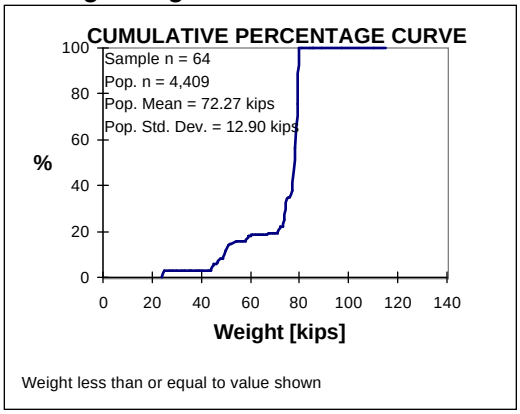
Empty Weight



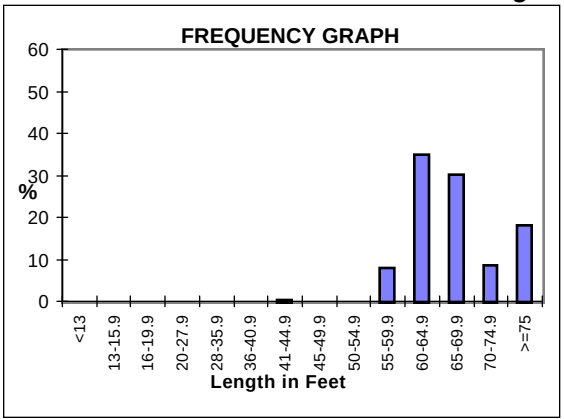
External Trailer Width



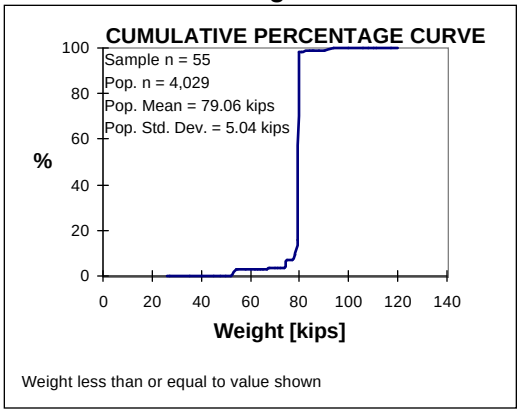
Average Weight



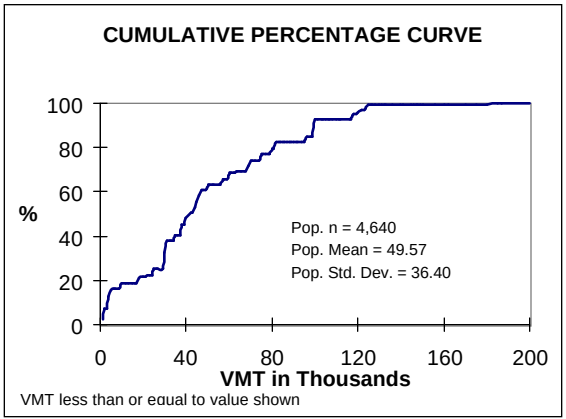
Overall Length



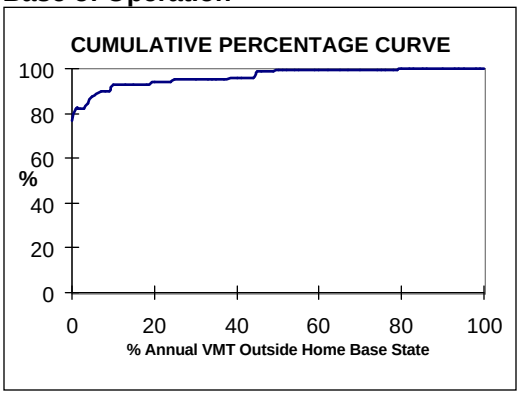
Maximum Gross Weight



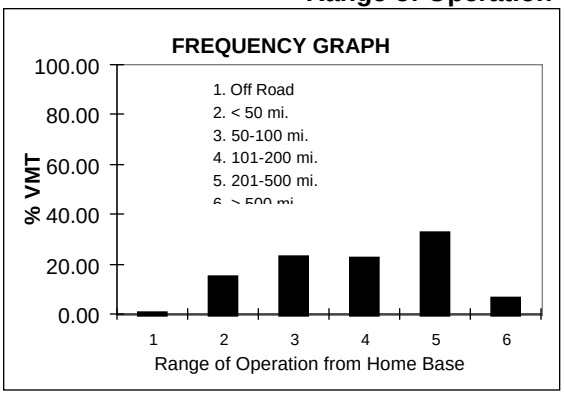
Annual VMT



Base of Operation



Range of Operation



Source: 1992 Truck Inventory and Use Survey 3/4/96

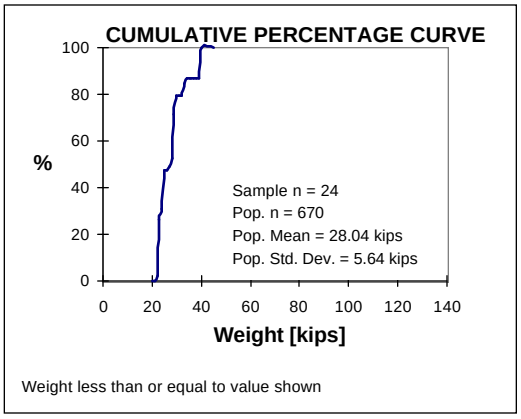
Ratio of Sample Size to Population Size *1987 Fleet*

by Vehicle Configuration/Body Type Combinations

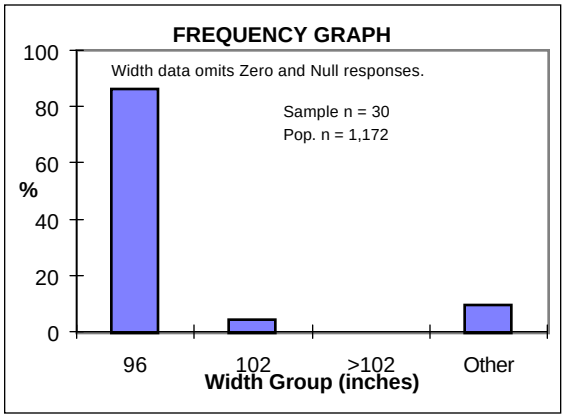
Pop. N / Sample N	3+2	3-S2	3-S3	2-S1-2
Low Boy	2,090 / 53	31,456 / 996	10,484 / 309	
Basic Platform	7,232 / 188	129,473 / 3,695	6,739 / 174	2,542 / 36
Livestock Truck		10,377 / 333		
Insul Non-refrig Non-Refrigerated		11,238 / 322		
Insulated Refrigerated		68,734 / 2,087	1,538 / 49	
Drop Frame Van		12,703 / 323		1,571 / 34
Basic Enclosed	1,601 / 42	191,620 / 4,827	4,716 / 133	15,984 / 211
Pole Logging	4,024 / 141	16,045 / 579	687 / 40	
Auto Transport		9,898 / 232		
Grain Bodies	1,143 / 39	20,042 / 726	913 / 30	1,298 / 22
Dump Truck	10,211 / 253	45,947 / 1,320	7,451 / 205	
Tank Truck For Liquid	2,430 / 65	51,018 / 1,480	1,763 / 56	
Tank Truck For Dry Bulk		13,536 / 332		

Vehicle Type: 3+2
Body Type: Low Boy
Population Size: 2,090 Sample Size: 53

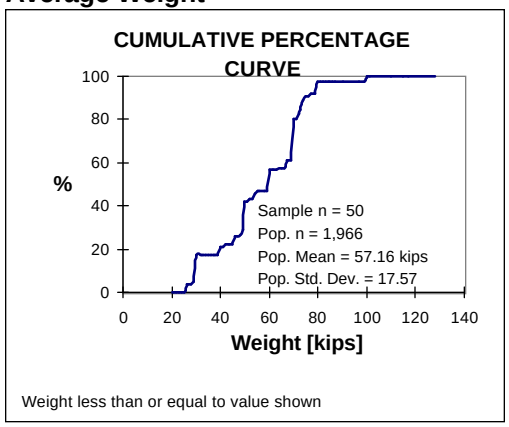
Empty Weight



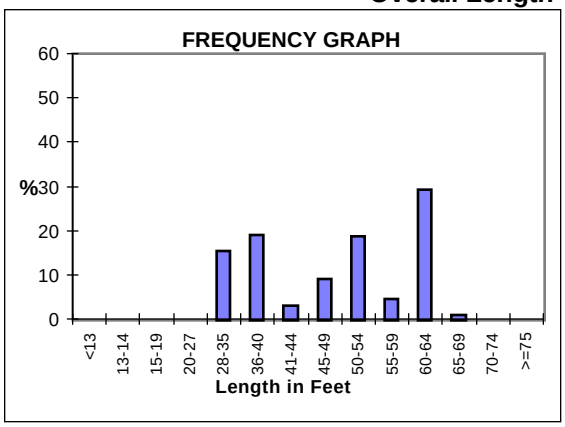
External Trailer Width



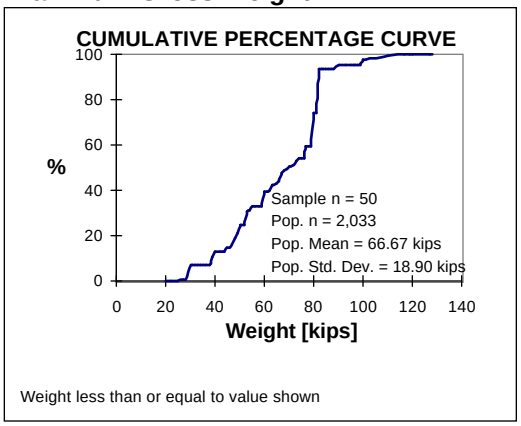
Average Weight



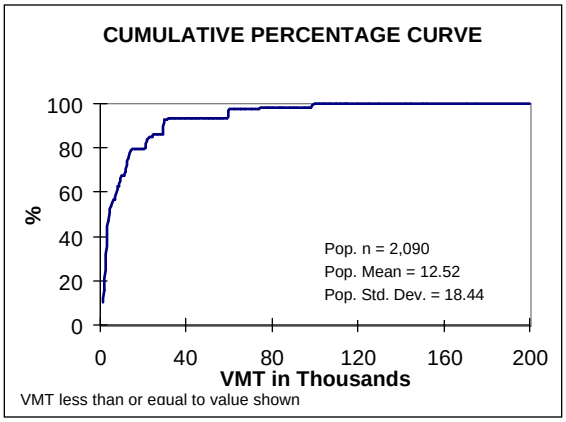
Overall Length



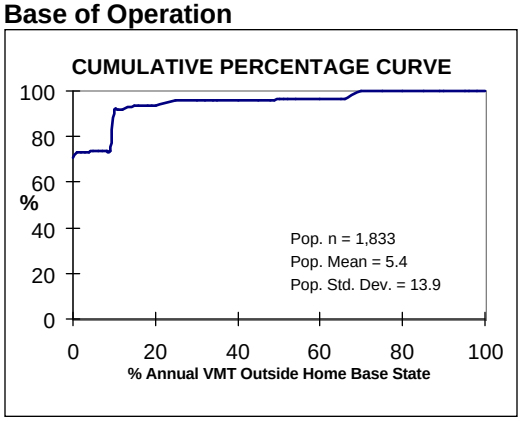
Maximum Gross Weight



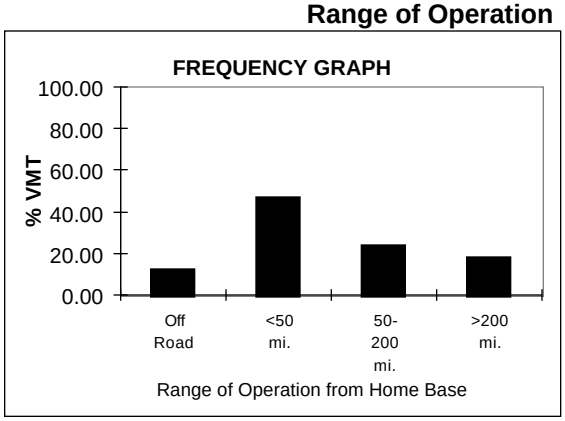
Annual VMT



Base of Operation



Range of Operation

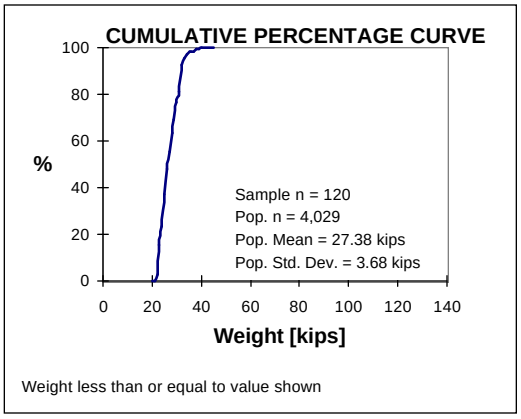


Source: 1987 Truck Inventory and Use Survey

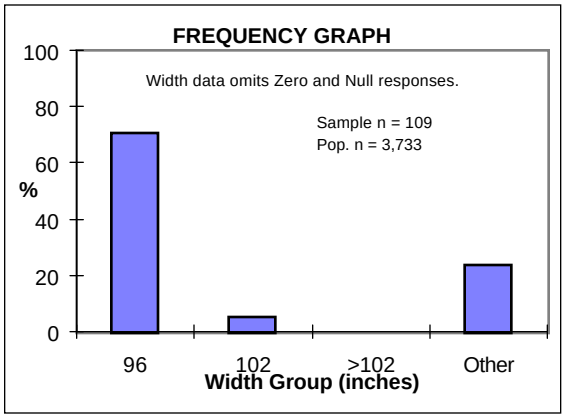
3/4/96

Vehicle Type: 3+2
Body Type: Basic Platform
Population Size: 7,232 Sample Size: 188

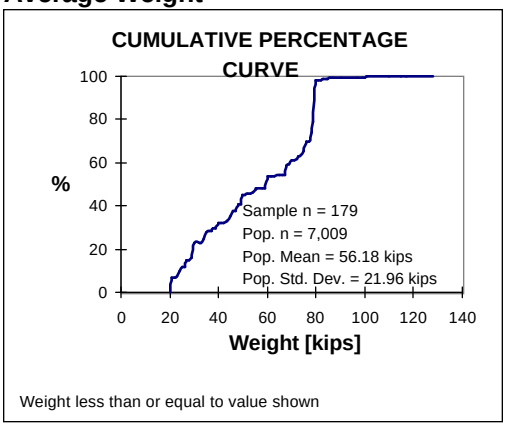
Empty Weight



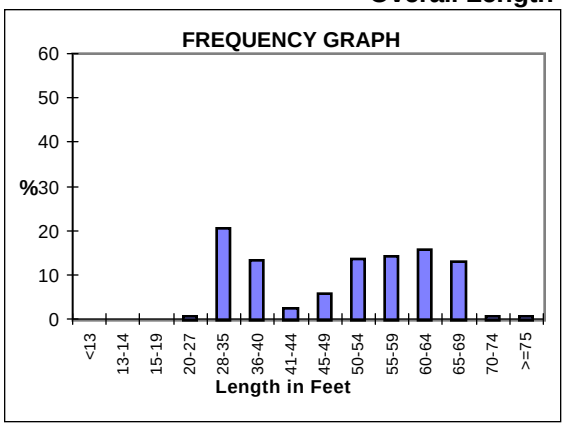
External Trailer Width



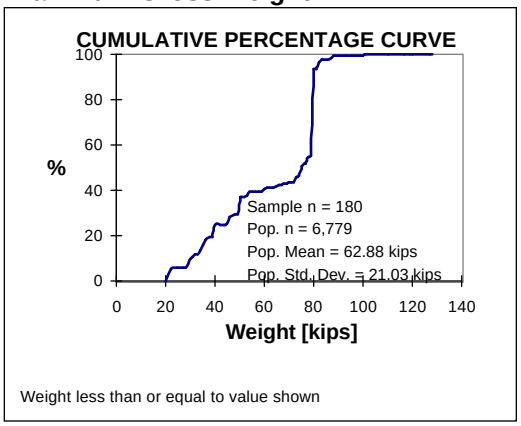
Average Weight



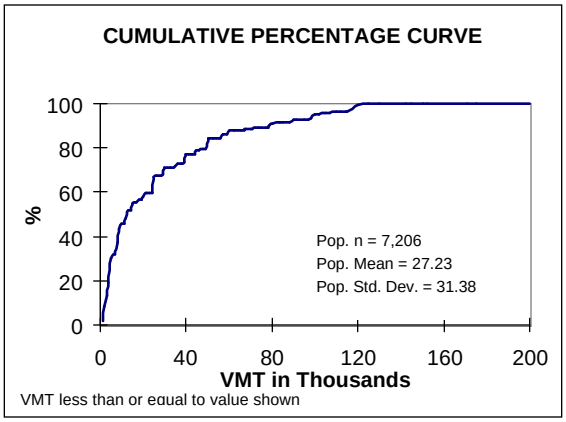
Overall Length



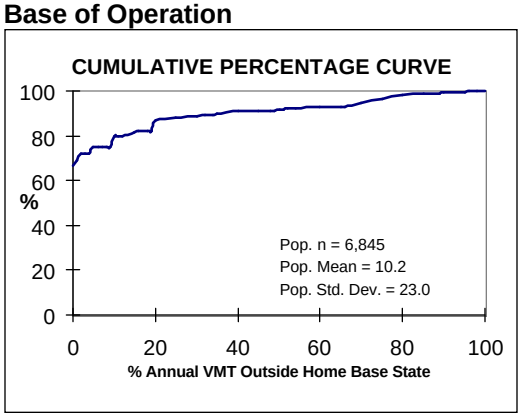
Maximum Gross Weight



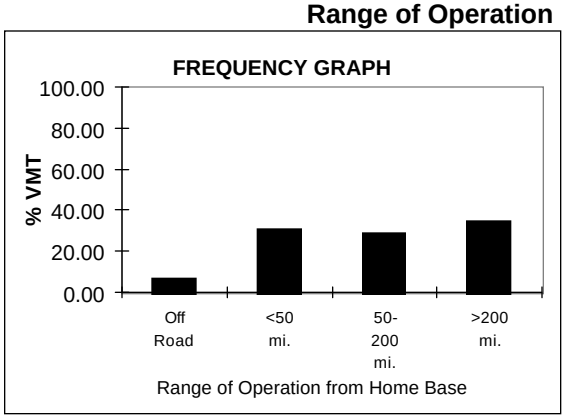
Annual VMT



Base of Operation



Range of Operation

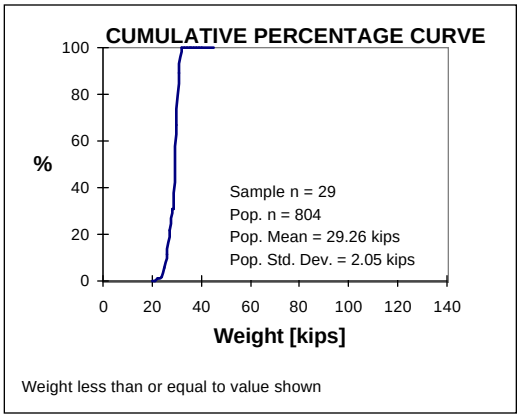


Vehicle Type: 3+2 *1987 Fleet*

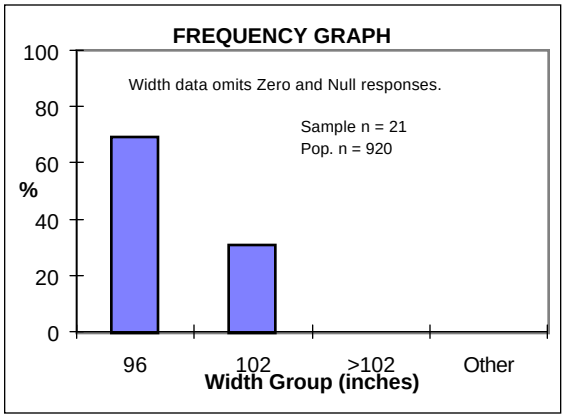
Body Type: Basic Enclosed Van

Population Size: 1,601 Sample Size: 42

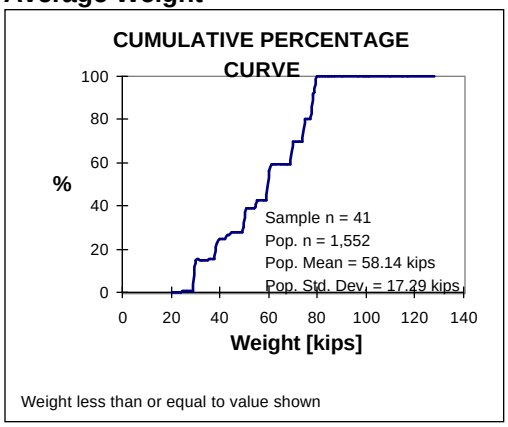
Empty Weight



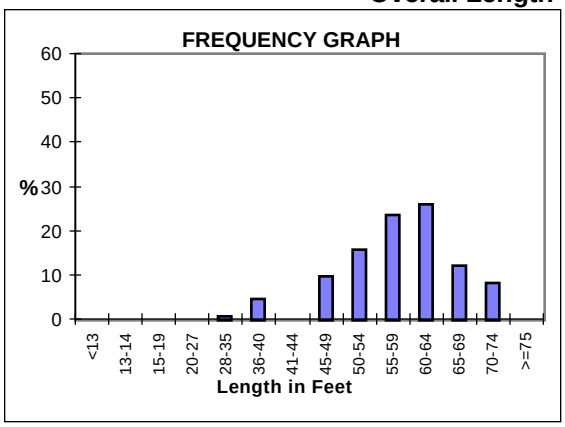
External Trailer Width



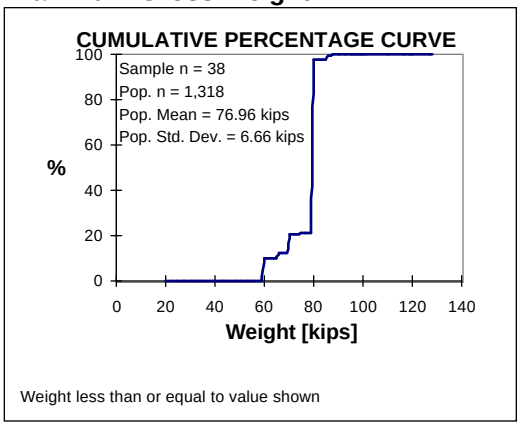
Average Weight



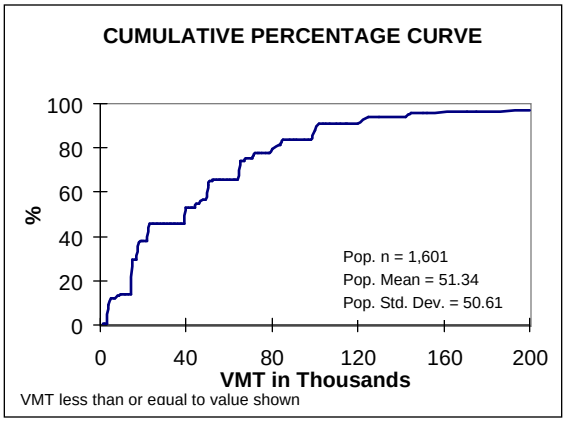
Overall Length



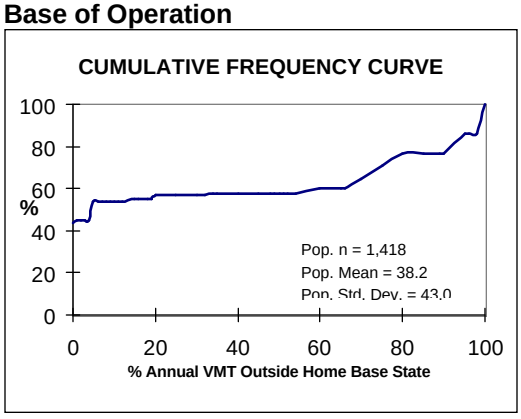
Maximum Gross Weight



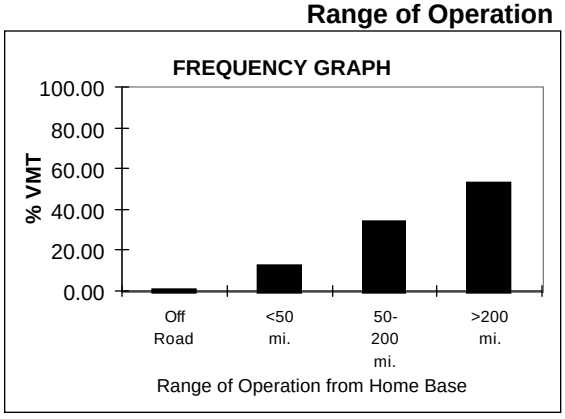
Annual VMT



Base of Operation



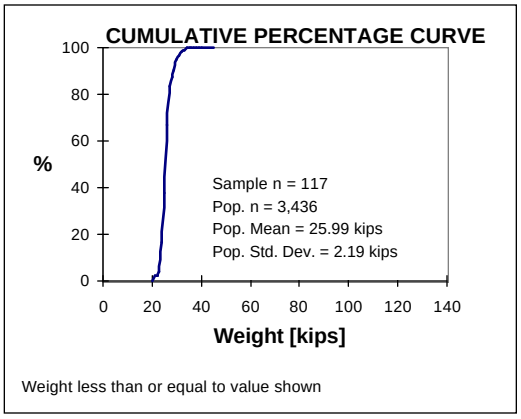
Range of Operation



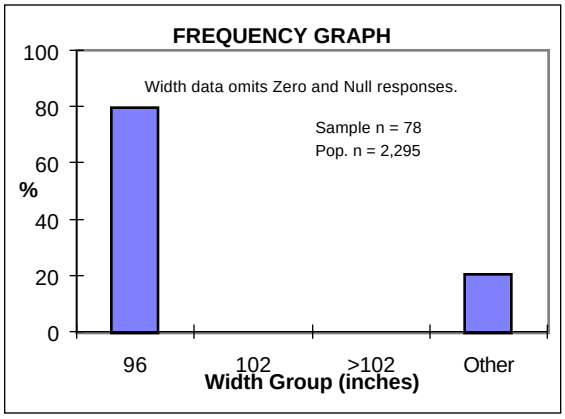
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3+2
Body Type: Pole Logging
Population Size: 4,024 Sample Size: 141

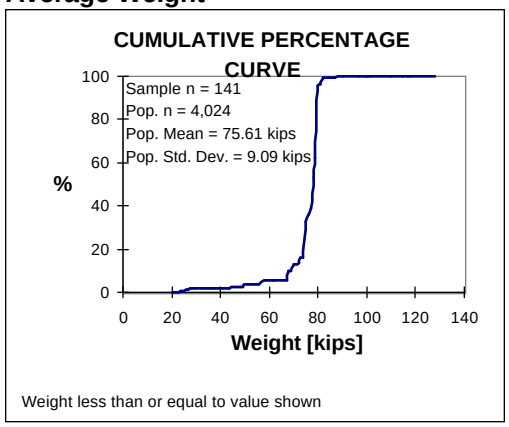
Empty Weight



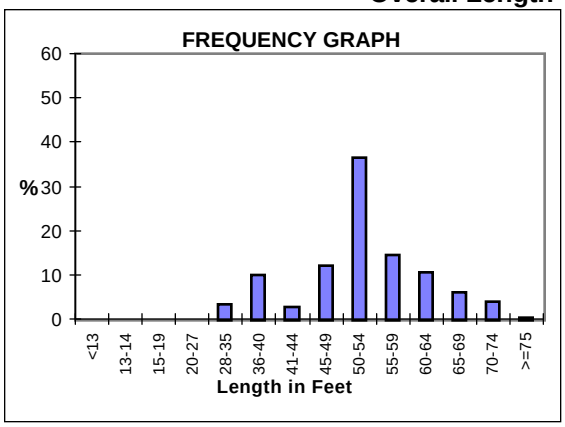
External Trailer Width



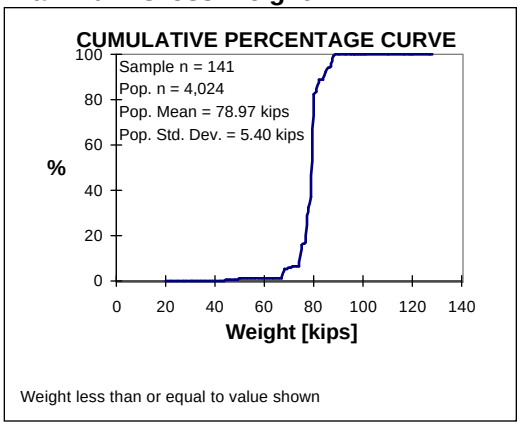
Average Weight



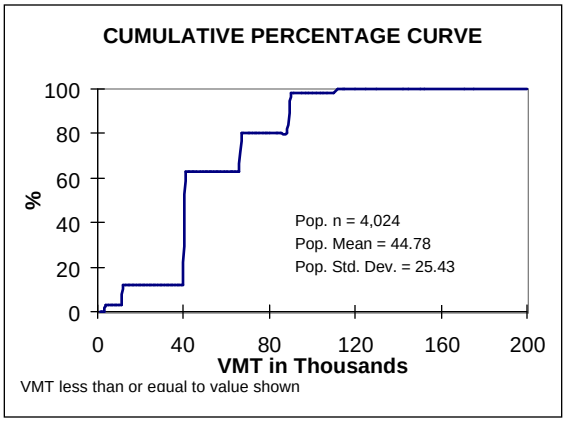
Overall Length



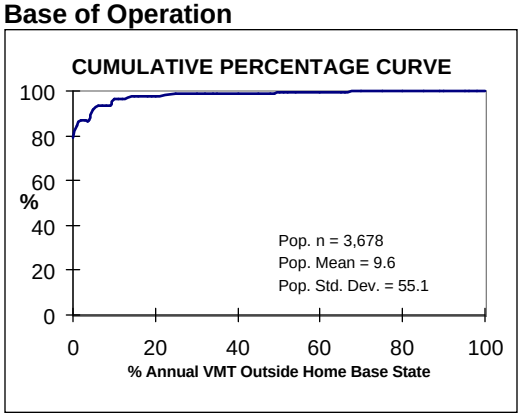
Maximum Gross Weight



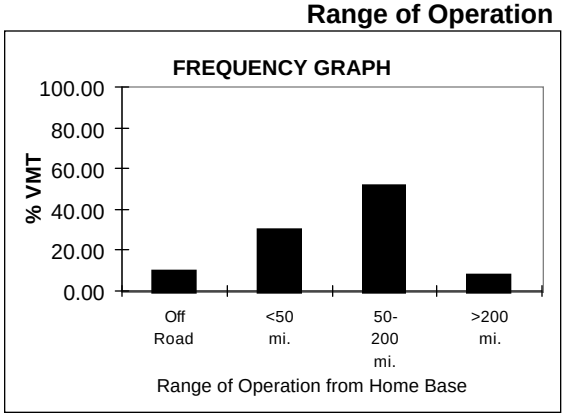
Annual VMT



Base of Operation



Range of Operation

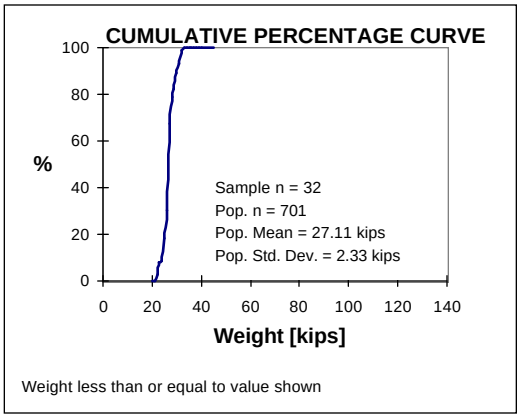


Source: 1987 Truck Inventory and Use Survey

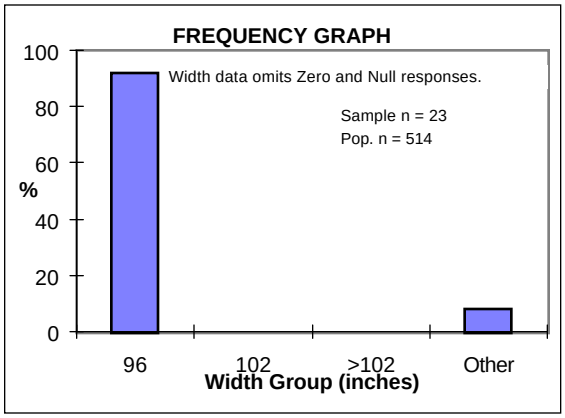
3/4/96

Vehicle Type: 3+2 *1987 Fleet*
Body Type: Grain Bodies
Population Size: 1,143 Sample Size: 39

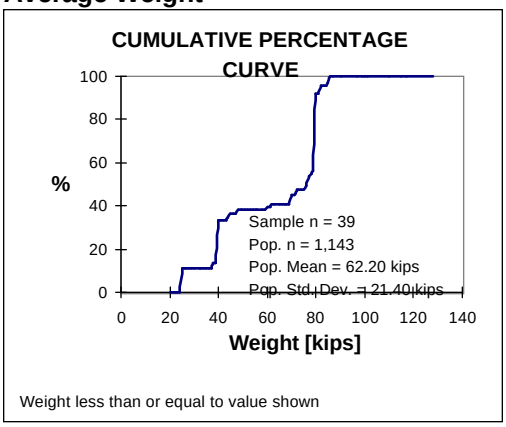
Empty Weight



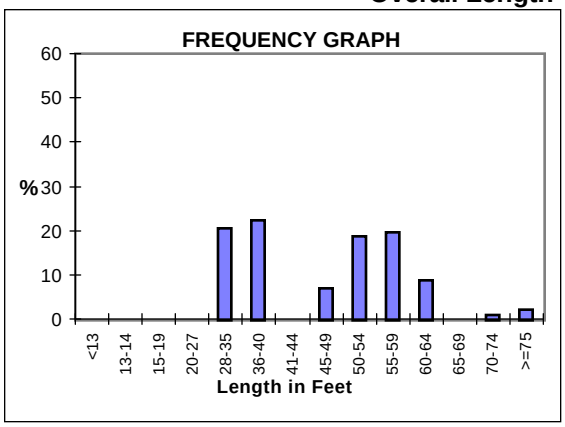
External Trailer Width



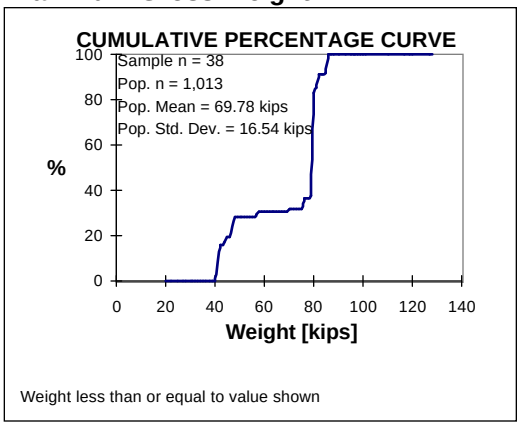
Average Weight



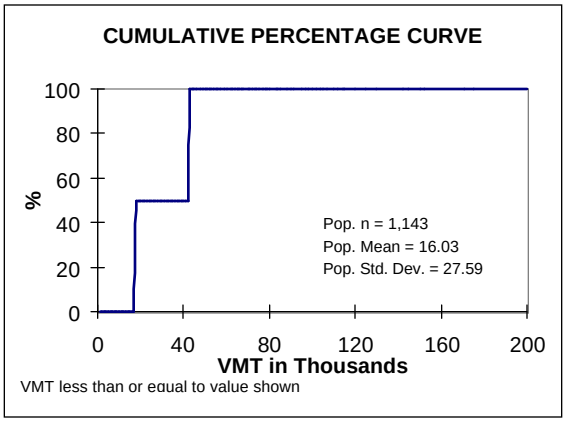
Overall Length



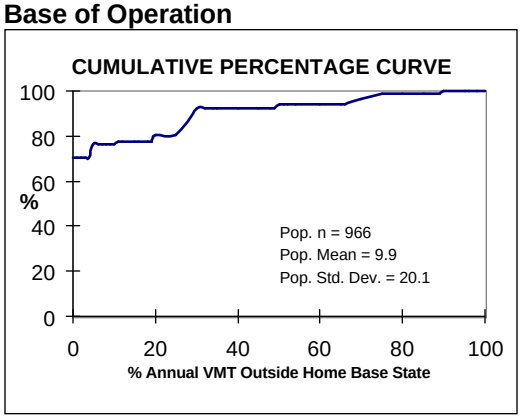
Maximum Gross Weight



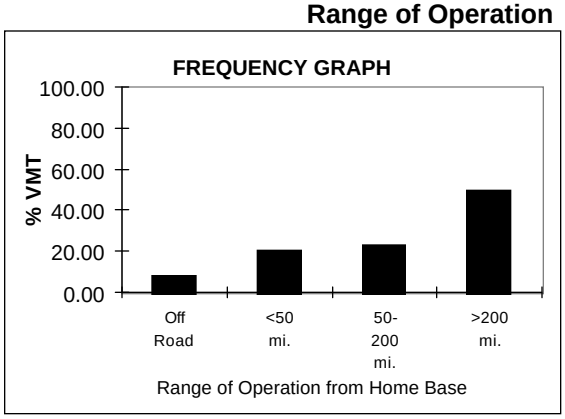
Annual VMT



Base of Operation



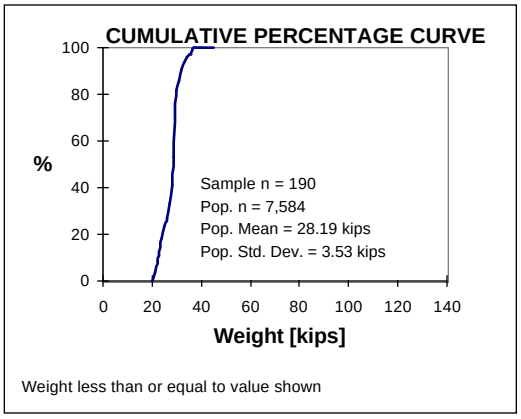
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

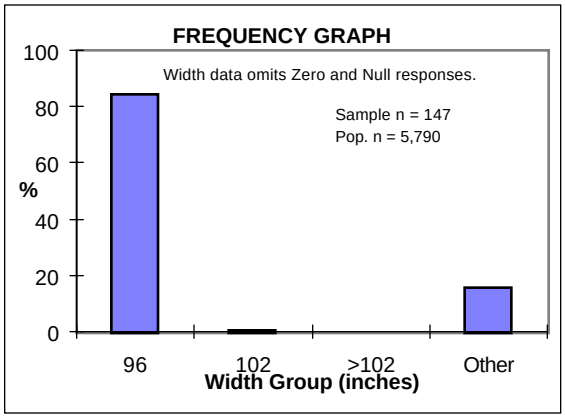
Vehicle Type: 3+2 *1987 Fleet*
Body Type: Dump Truck
Population Size: 10,211 Sample Size: 253

Empty Weight

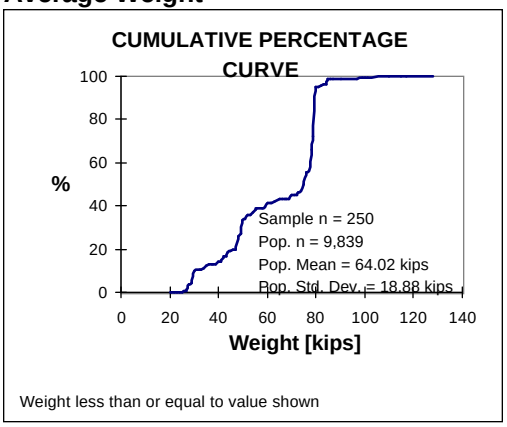


Weight less than or equal to value shown

External Trailer Width

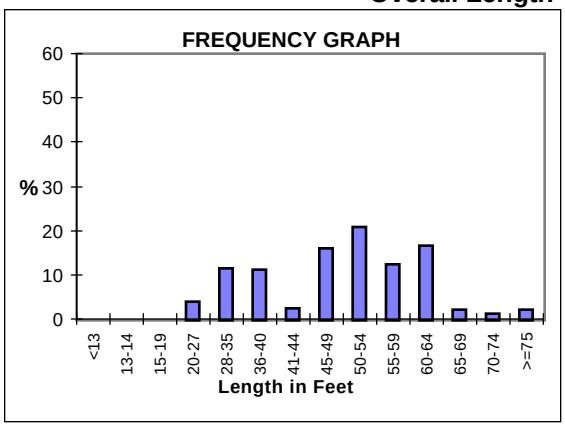


Average Weight

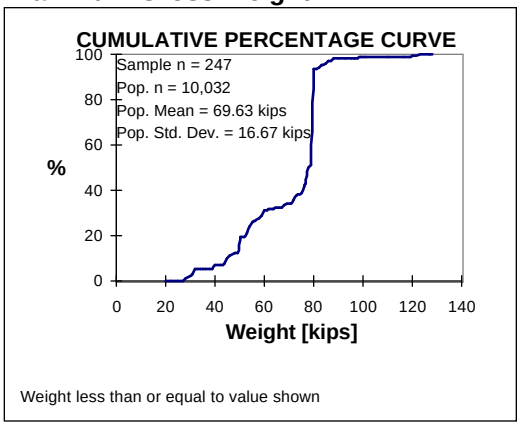


Weight less than or equal to value shown

Overall Length

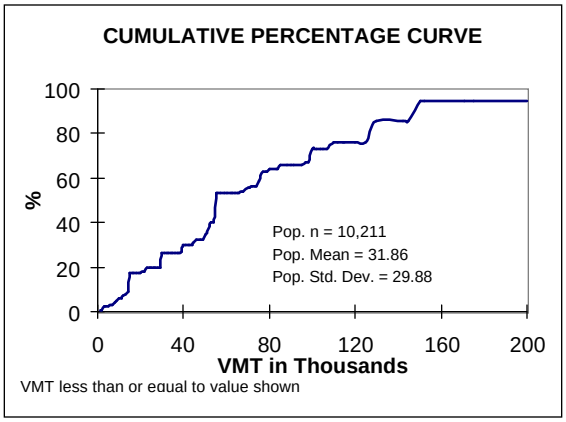


Maximum Gross Weight



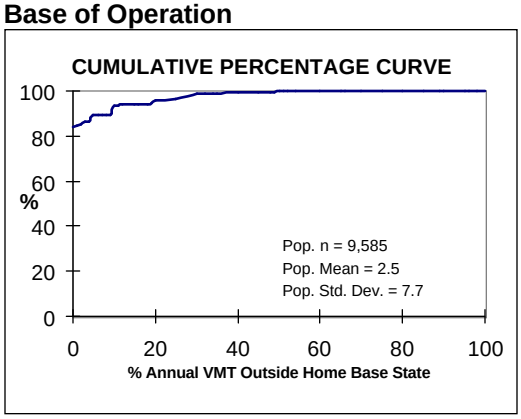
Weight less than or equal to value shown

Annual VMT

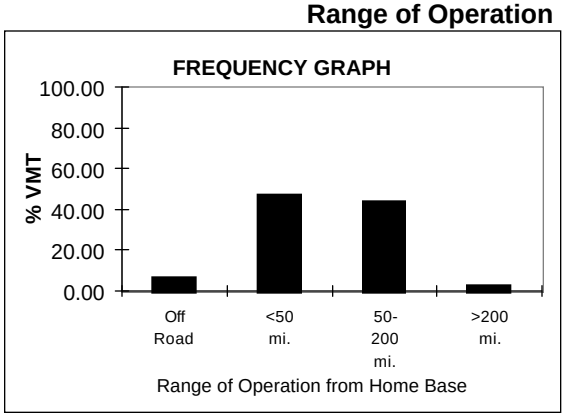


VMT less than or equal to value shown

Base of Operation



Range of Operation



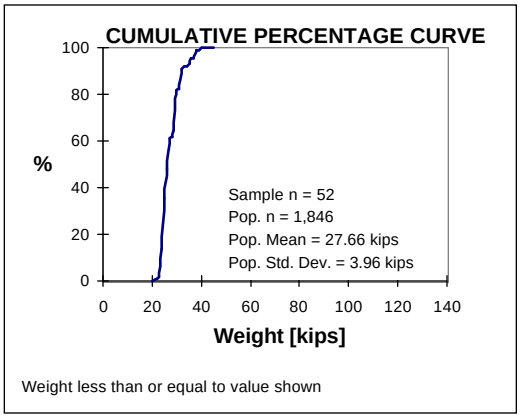
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3+2 *1987 Fleet*

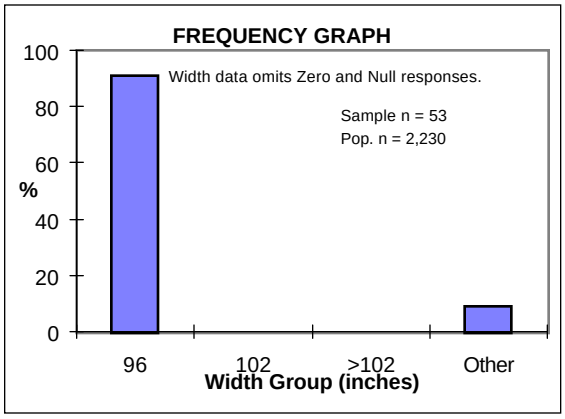
Body Type: Tank-Liquid or Gas

Population Size: 2,430 Sample Size: 65

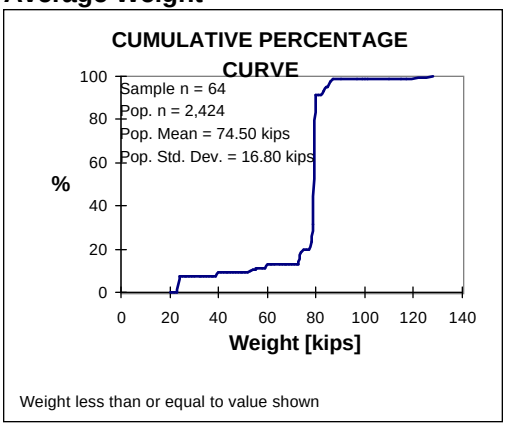
Empty Weight



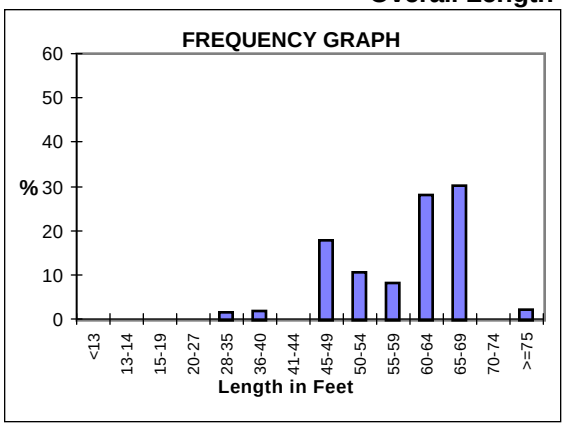
External Trailer Width



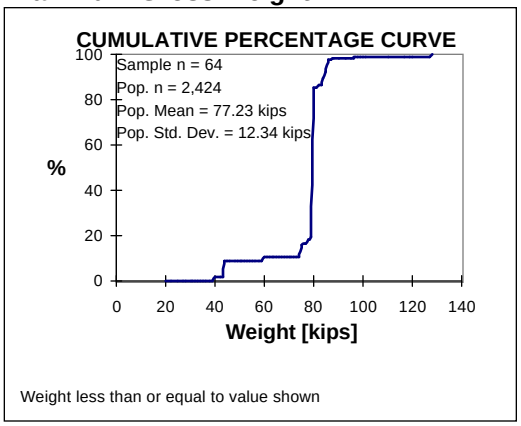
Average Weight



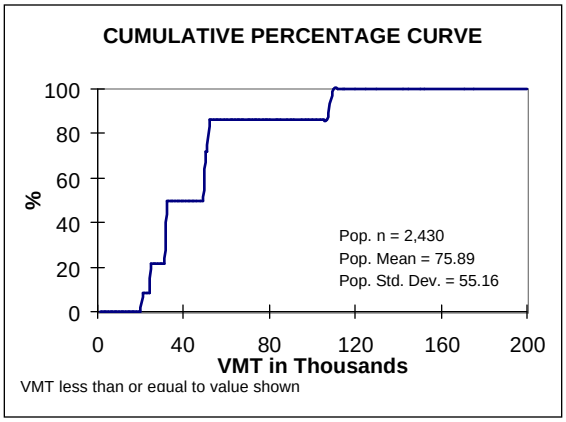
Overall Length



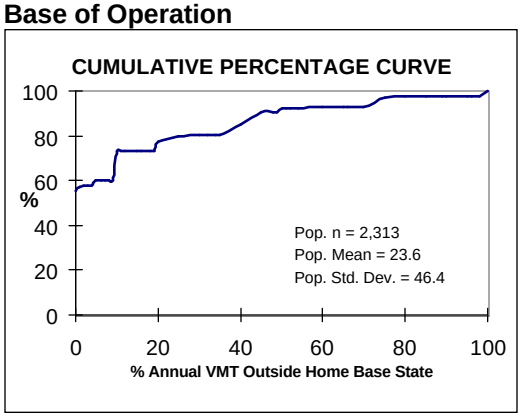
Maximum Gross Weight



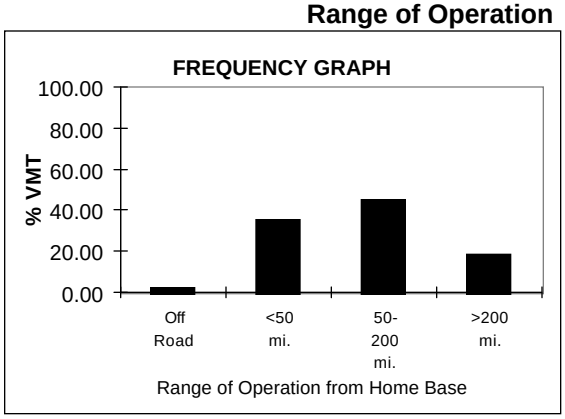
Annual VMT



Base of Operation



Range of Operation



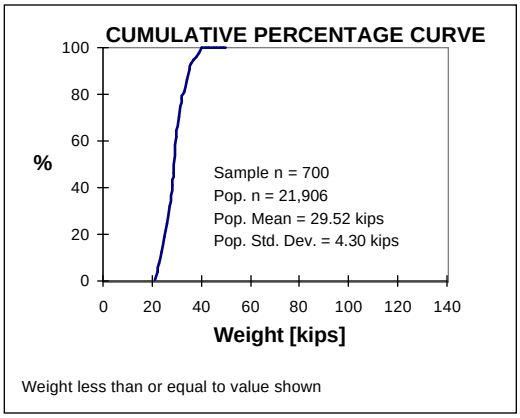
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1987 Fleet*

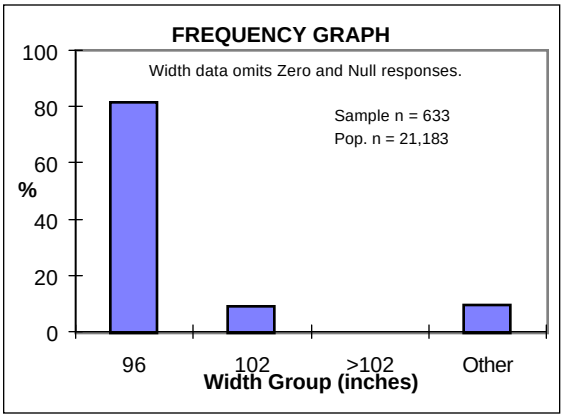
Body Type: Low Boy

Population Size: 31,456 Sample Size: 996

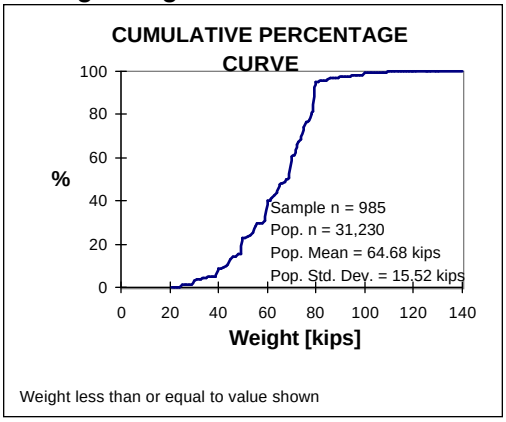
Empty Weight



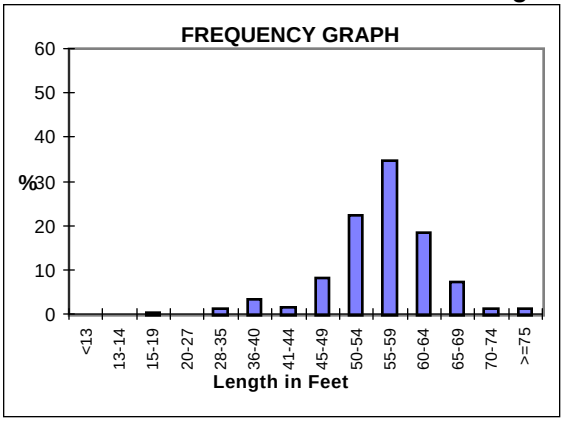
External Trailer Width



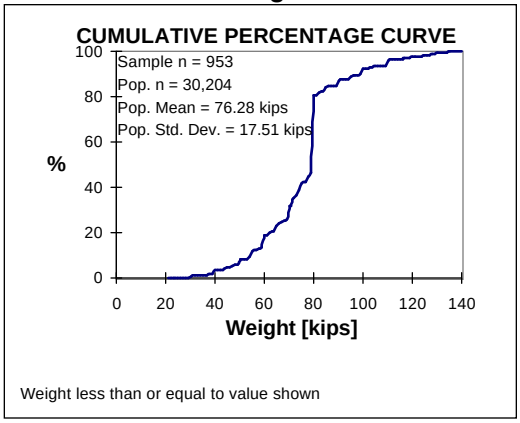
Average Weight



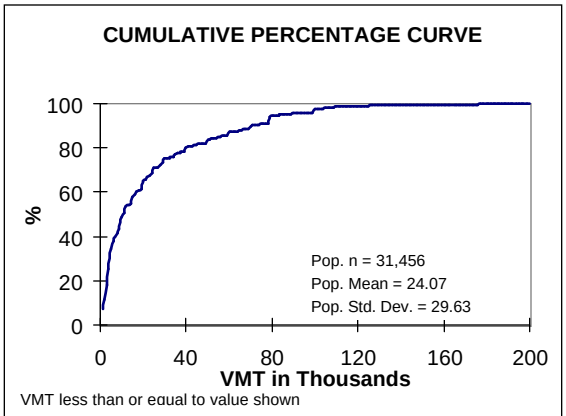
Overall Length



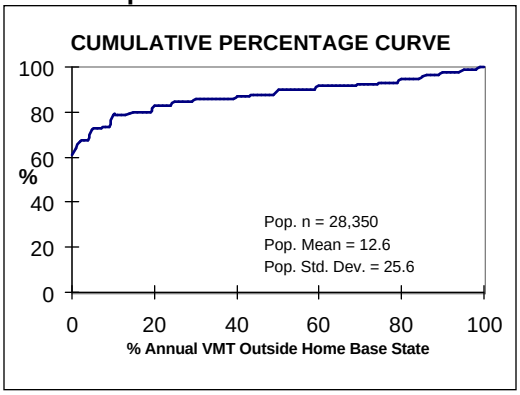
Maximum Gross Weight



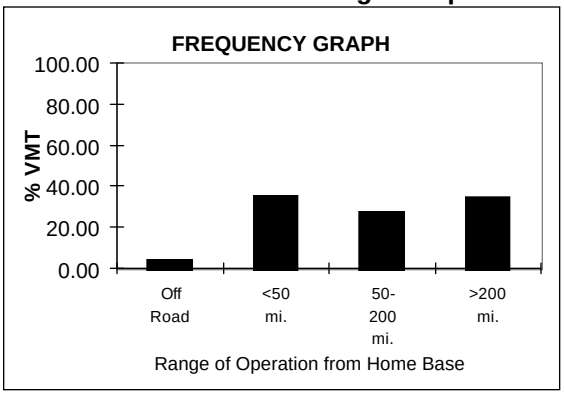
Annual VMT



Base of Operation



Range of Operation



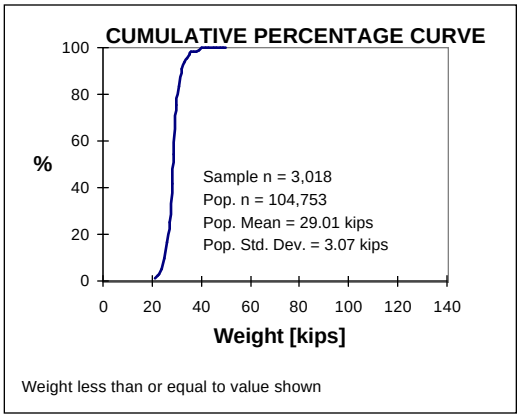
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1987 Fleet*

Body Type: Basic Platform

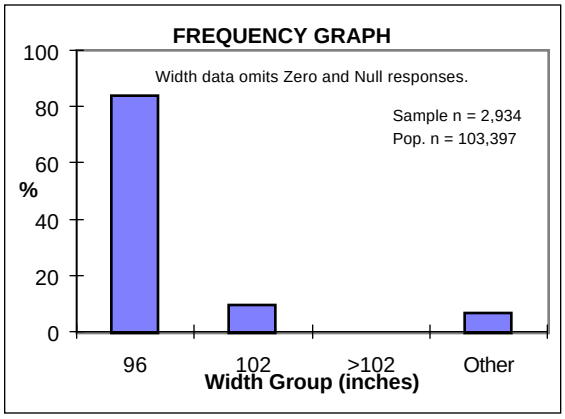
Population Size: 129,473 Sample Size: 3,695

Empty Weight

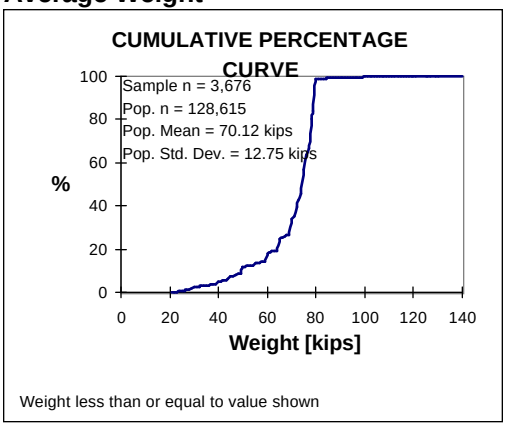


Weight less than or equal to value shown

External Trailer Width

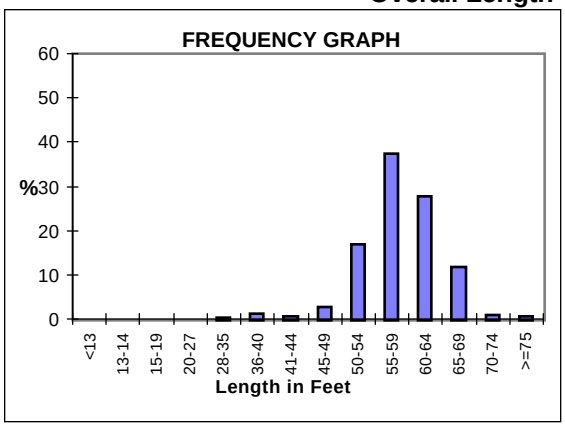


Average Weight

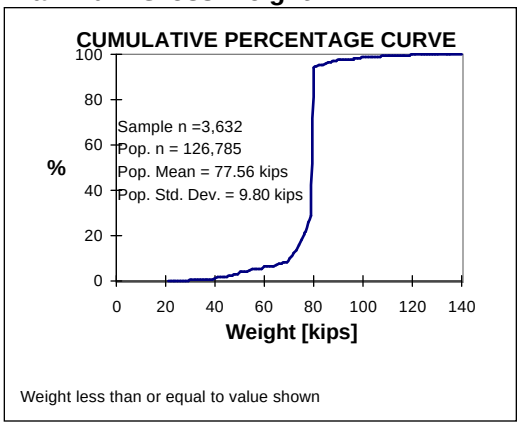


Weight less than or equal to value shown

Overall Length

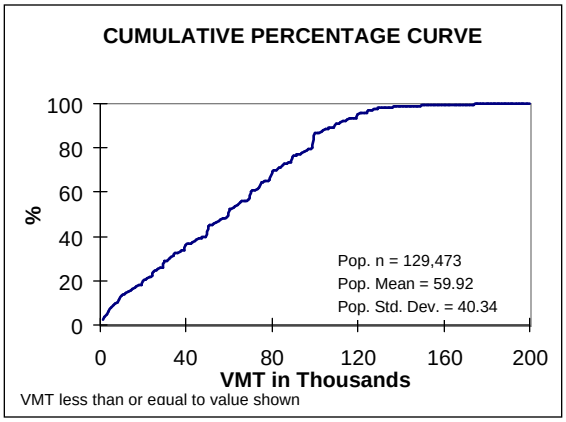


Maximum Gross Weight



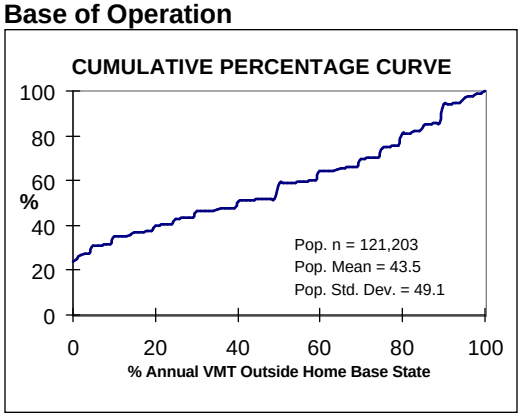
Weight less than or equal to value shown

Annual VMT

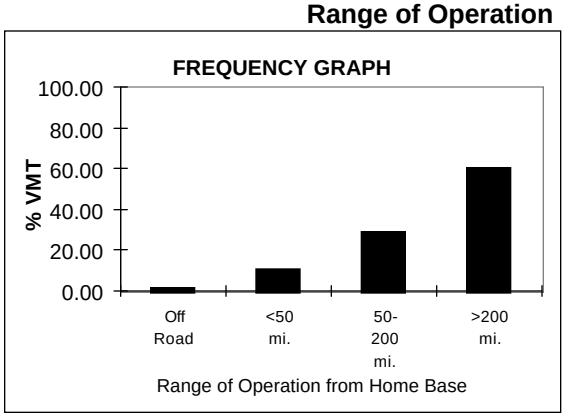


VMT less than or equal to value shown

Base of Operation



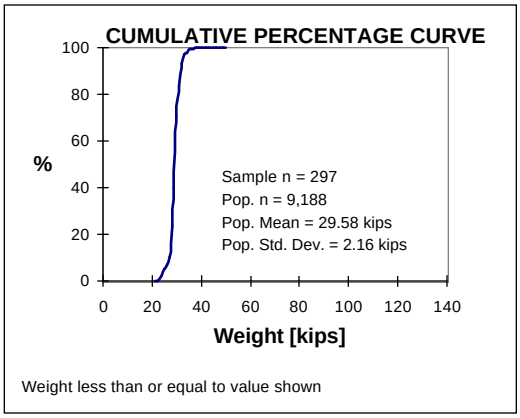
Range of Operation



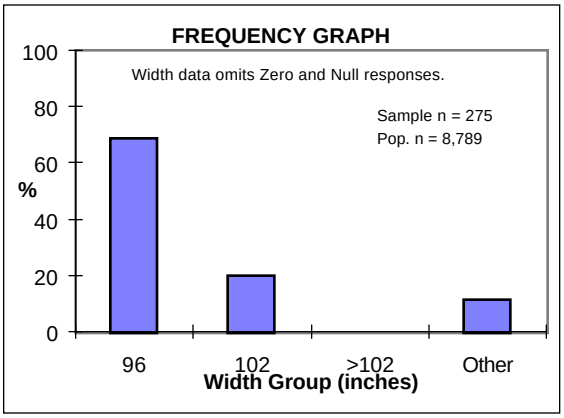
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1987 Fleet*
Body Type: Livestock
Population Size: 10,377 Sample Size: 333

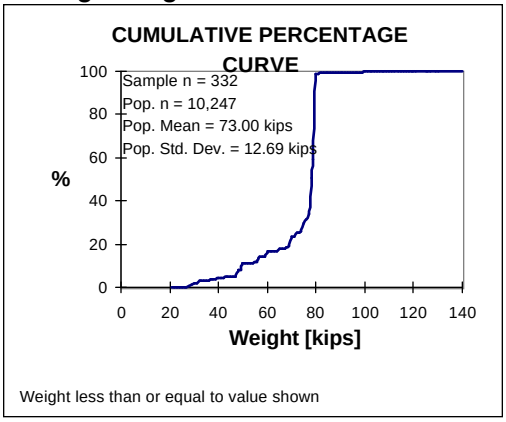
Empty Weight



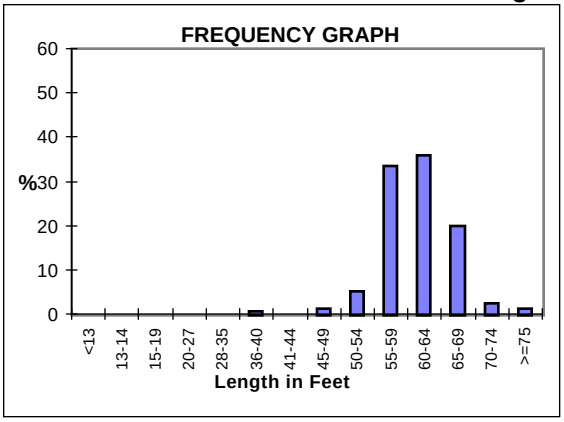
External Trailer Width



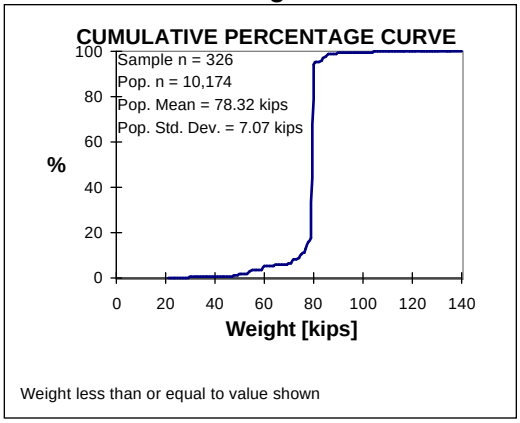
Average Weight



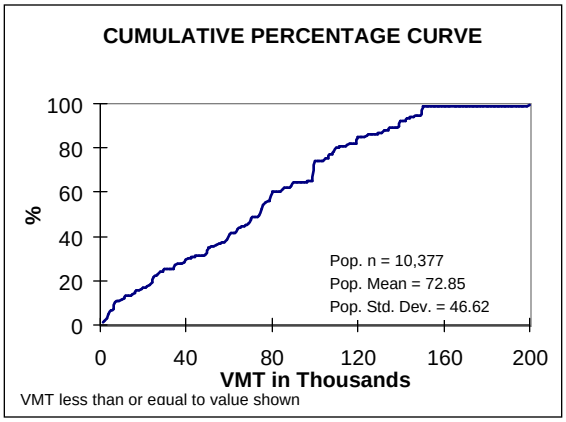
Overall Length



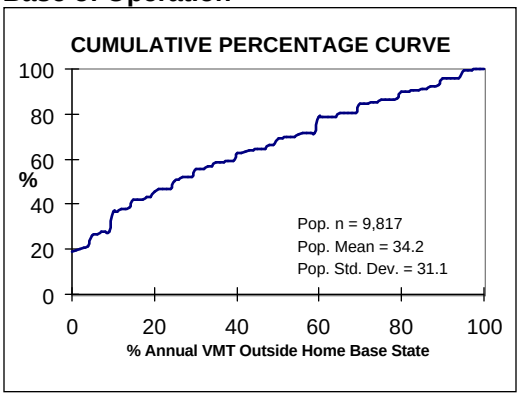
Maximum Gross Weight



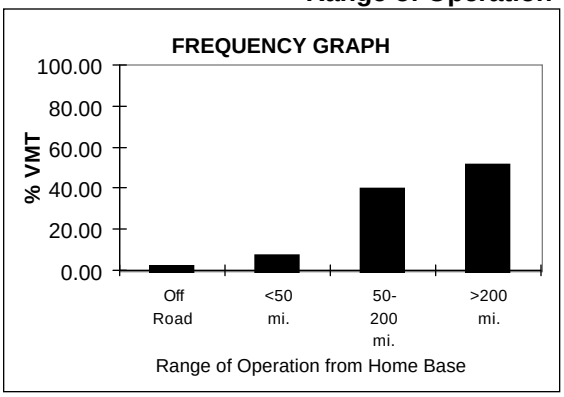
Annual VMT



Base of Operation



Range of Operation



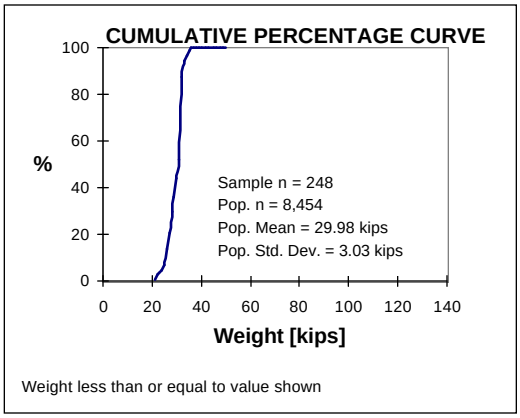
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1987 Fleet*

Body Type: Insulated Non-Refrigerated

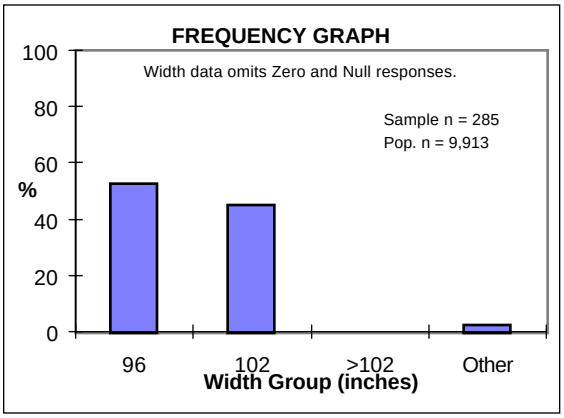
Population Size: 11,238 Sample Size: 322

Empty Weight

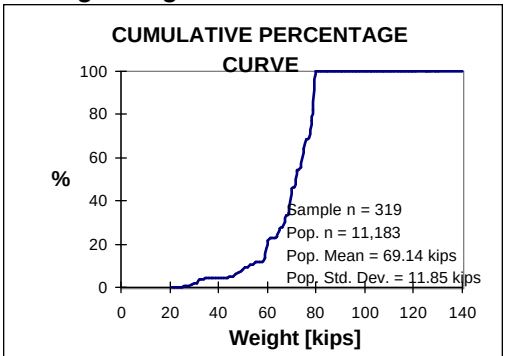


Weight less than or equal to value shown

External Trailer Width

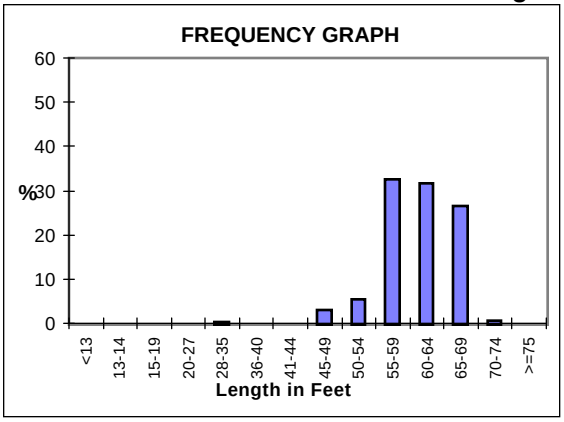


Average Weight

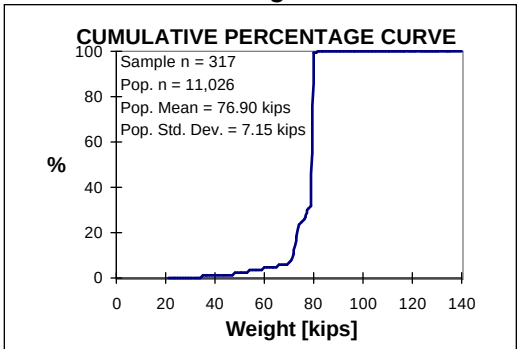


Weight less than or equal to value shown

Overall Length

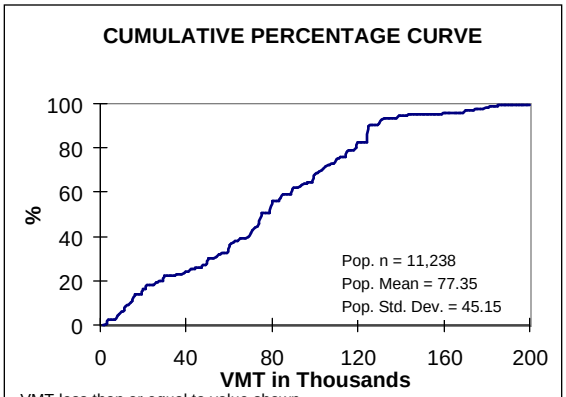


Maximum Gross Weight



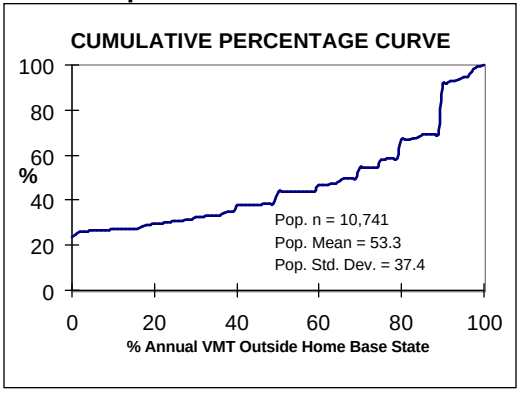
Weight less than or equal to value shown

Annual VMT

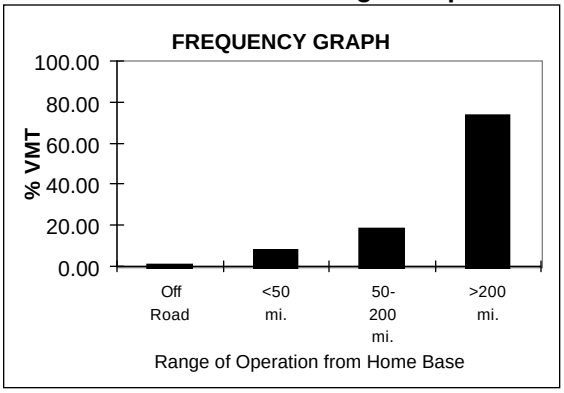


VMT less than or equal to value shown

Base of Operation



Range of Operation



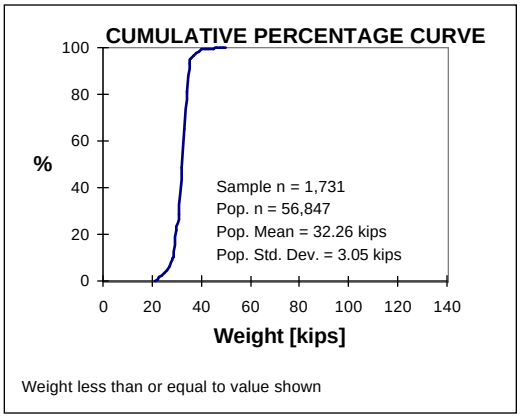
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1987 Fleet*

Body Type: Insulated Refrigerated

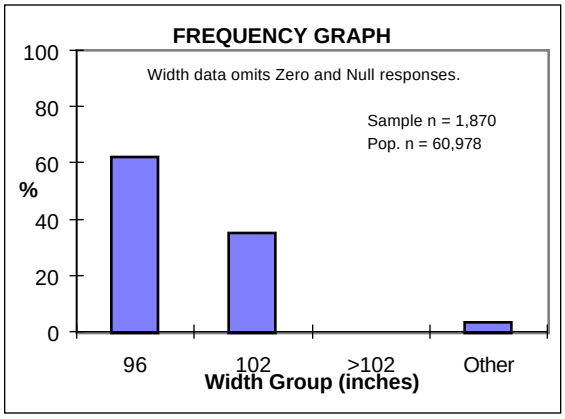
Population Size: 68,734 Sample Size: 2,087

Empty Weight

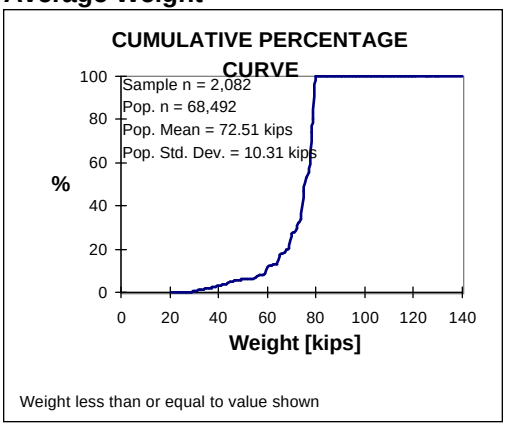


Weight less than or equal to value shown

External Trailer Width

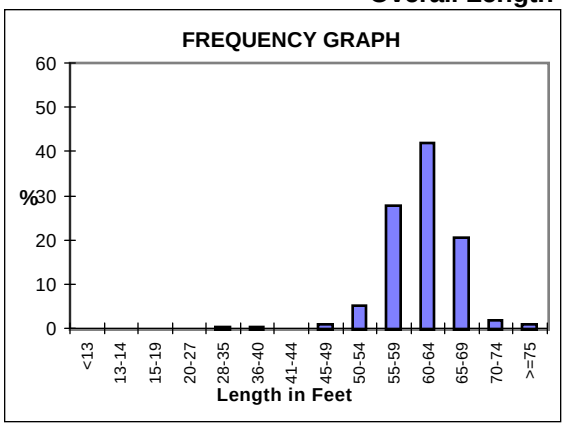


Average Weight

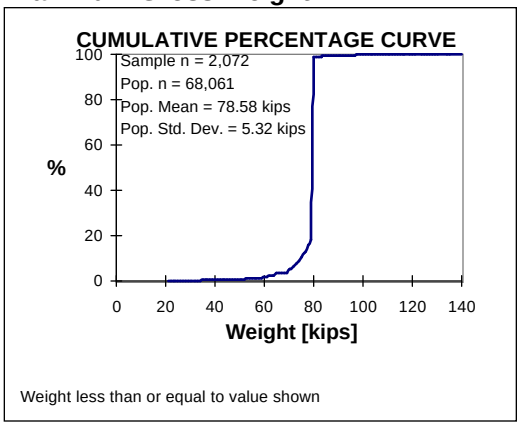


Weight less than or equal to value shown

Overall Length

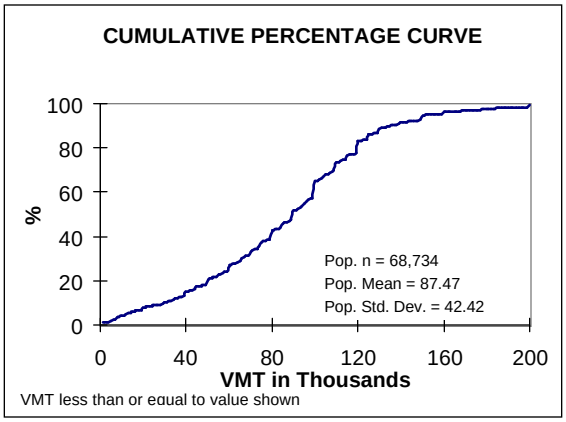


Maximum Gross Weight



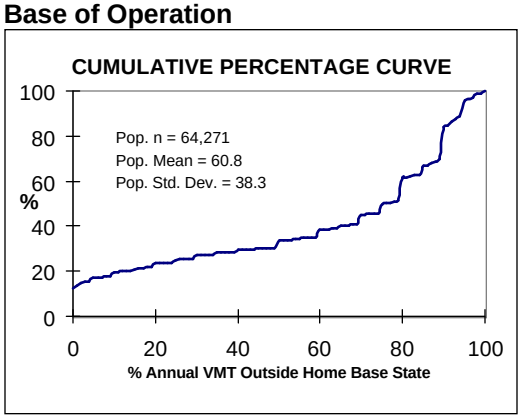
Weight less than or equal to value shown

Annual VMT

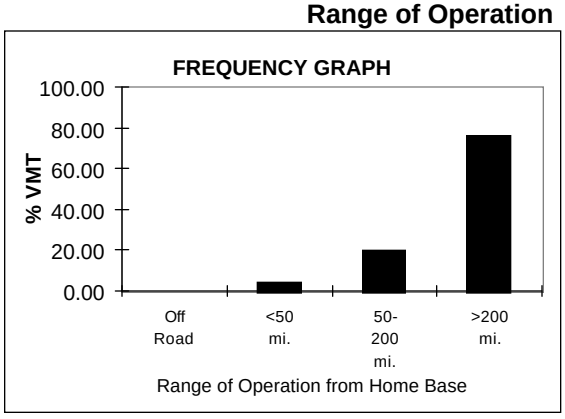


VMT less than or equal to value shown

Base of Operation



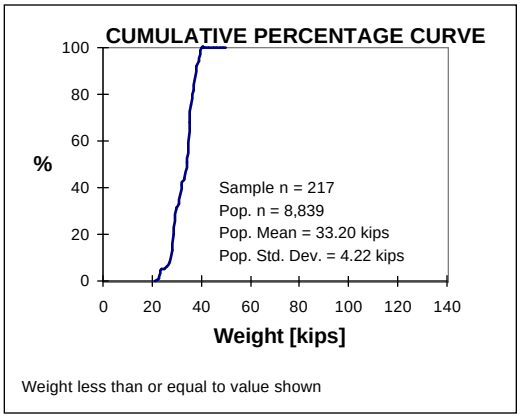
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

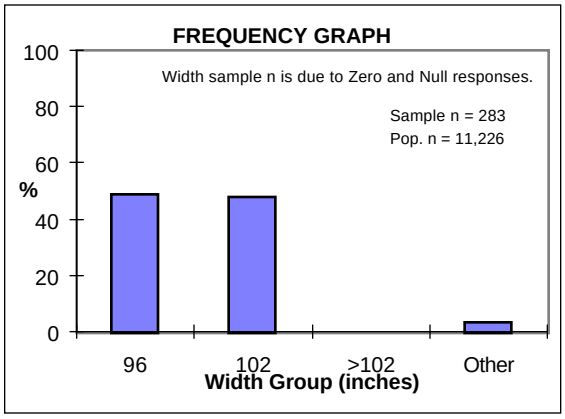
Vehicle Type: 3-S2 *1987 Fleet*
Body Type: Drop Frame
Population Size: 12,703 Sample Size: 323

Empty Weight

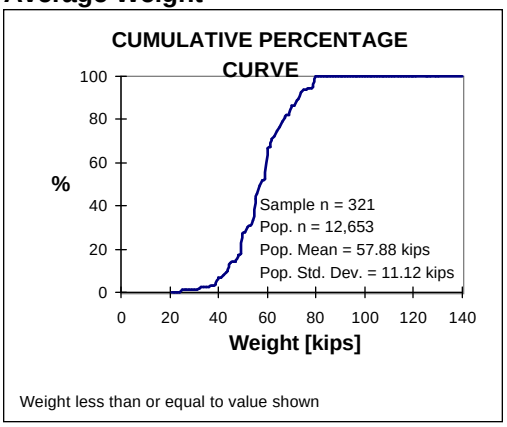


Weight less than or equal to value shown

External Trailer Width

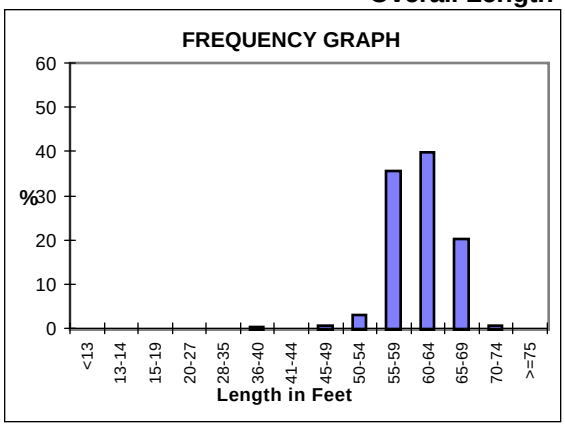


Average Weight

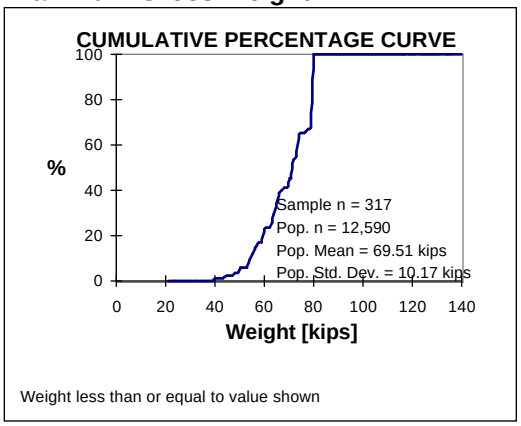


Weight less than or equal to value shown

Overall Length

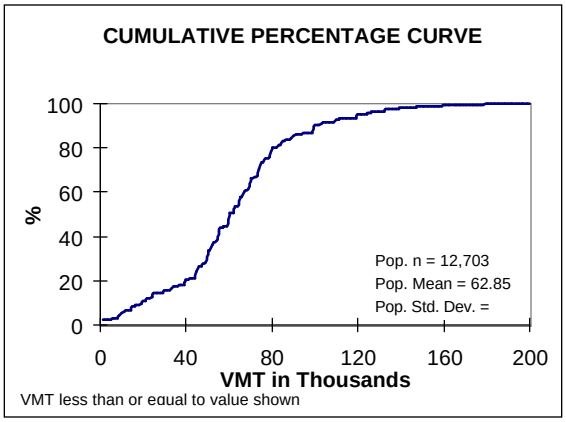


Maximum Gross Weight



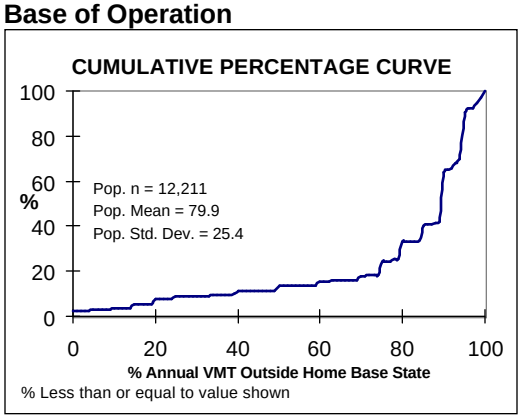
Weight less than or equal to value shown

Annual VMT



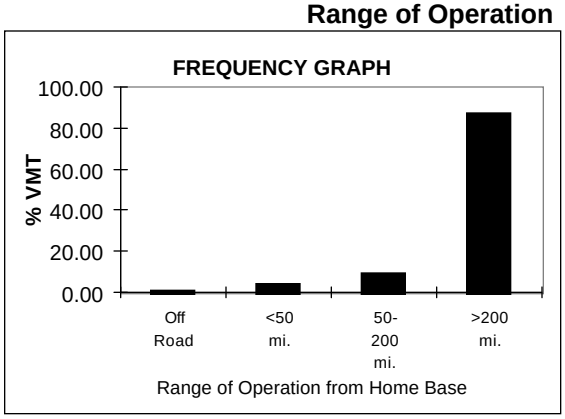
VMT less than or equal to value shown

Base of Operation



% Less than or equal to value shown

Range of Operation



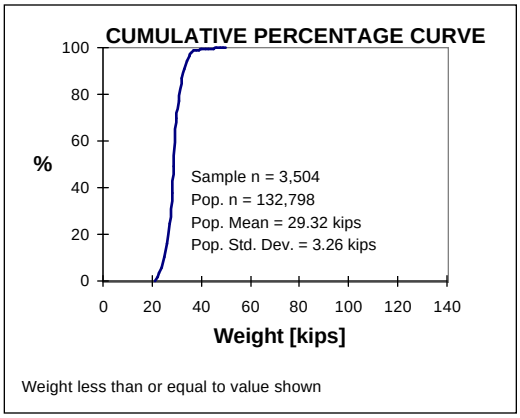
Source: 1987 Truck Inventoryand Use Survey 3/4/96

Vehicle Type: 3-S2 *1987 Fleet*

Body Type: Basic Enclosed

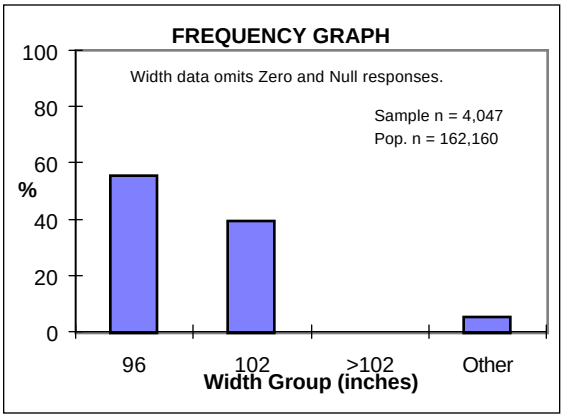
Population Size: 191,620 Sample Size: 4,827

Empty Weight

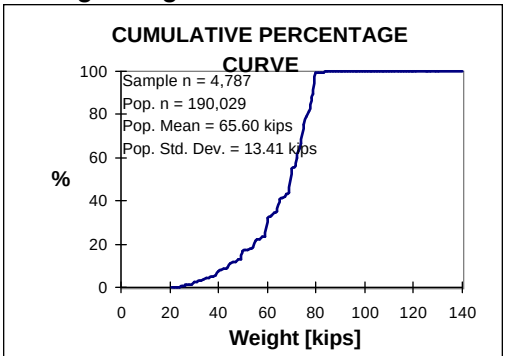


Weight less than or equal to value shown

External Trailer Width

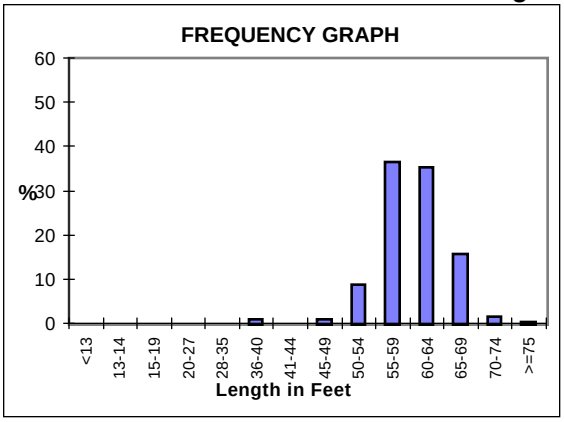


Average Weight

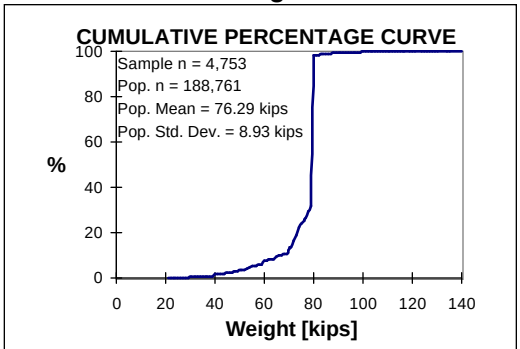


Weight less than or equal to value shown

Overall Length

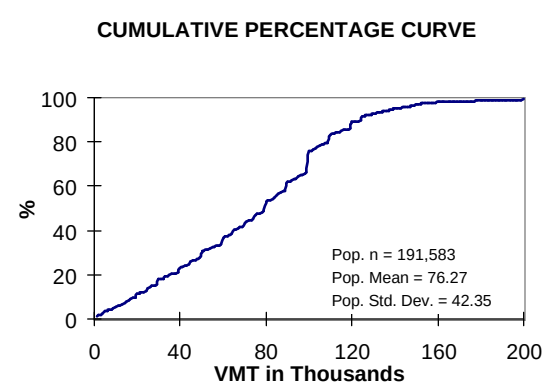


Maximum Gross Weight



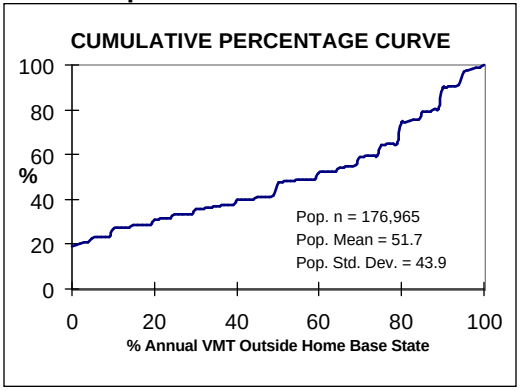
Weight less than or equal to value shown

Annual VMT

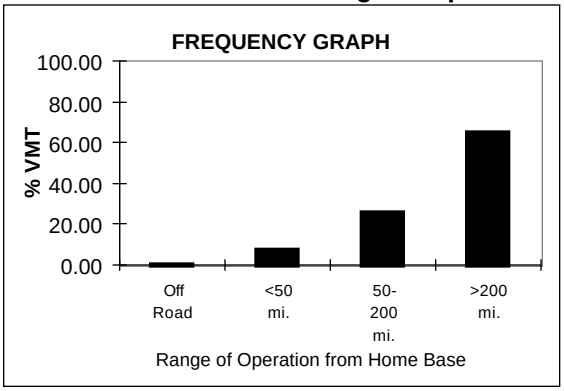


VMT less than or equal to value shown

Base of Operation



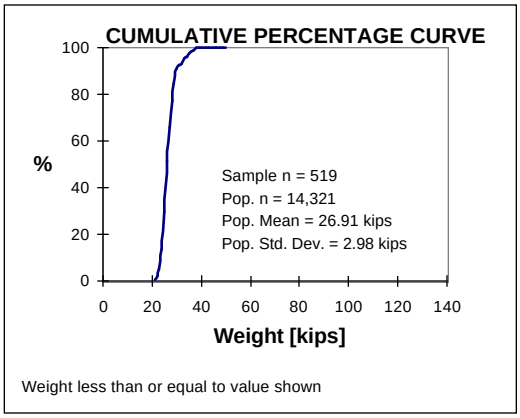
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

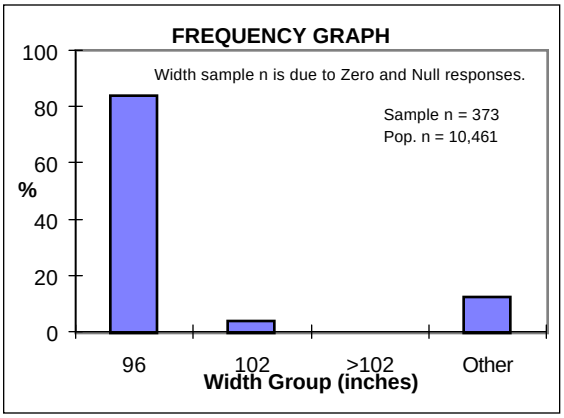
Vehicle Type: 3-S2 *1987 Fleet*
Body Type: Pole Logging
Population Size: 16,045 Sample Size: 579

Empty Weight

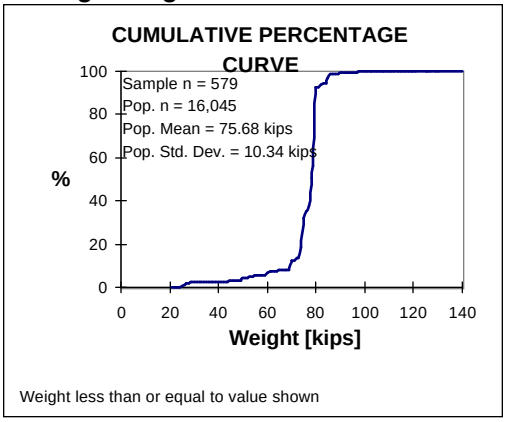


Weight less than or equal to value shown

External Trailer Width

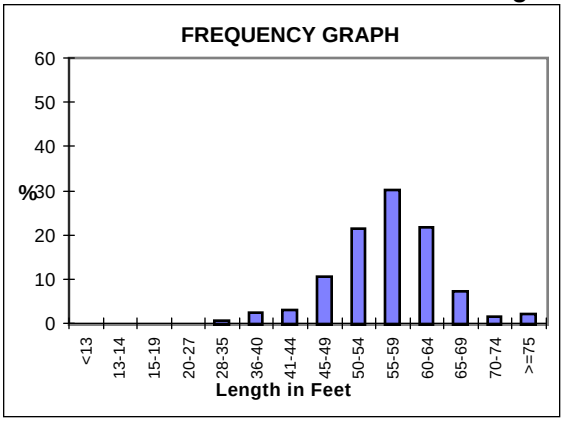


Average Weight

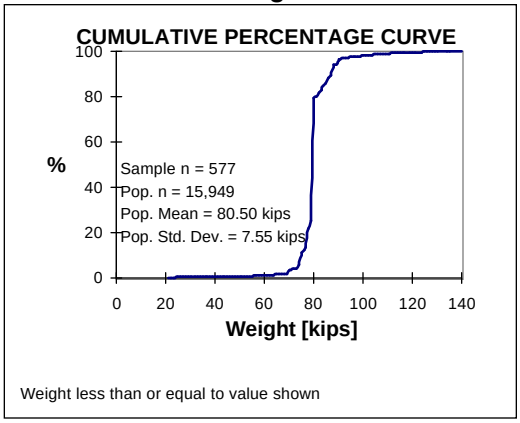


Weight less than or equal to value shown

Overall Length

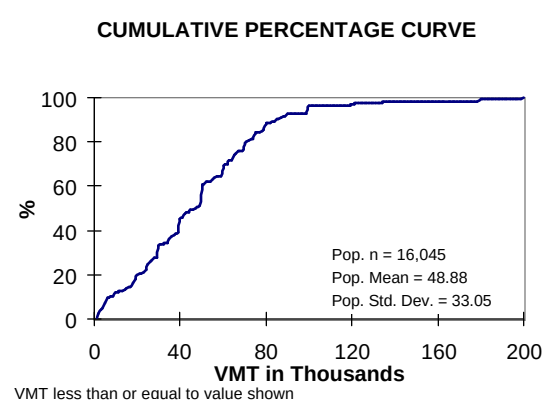


Maximum Gross Weight



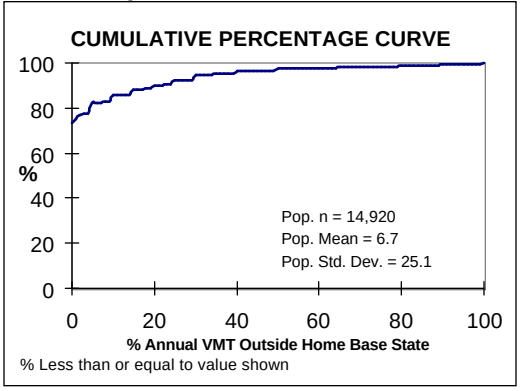
Weight less than or equal to value shown

Annual VMT



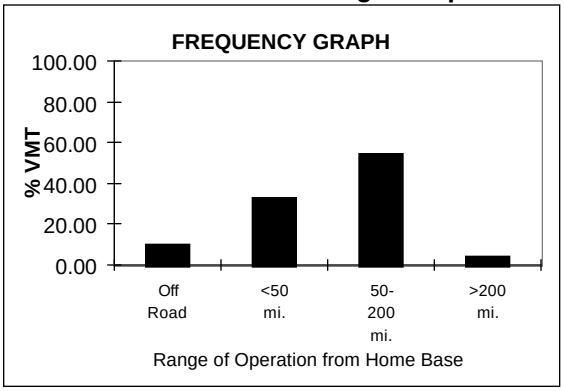
VMT less than or equal to value shown

Base of Operation



% Less than or equal to value shown

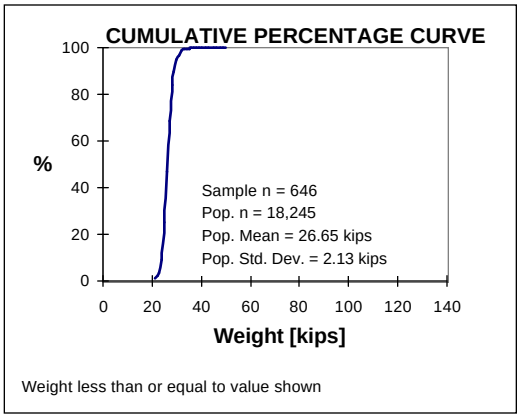
Range of Operation



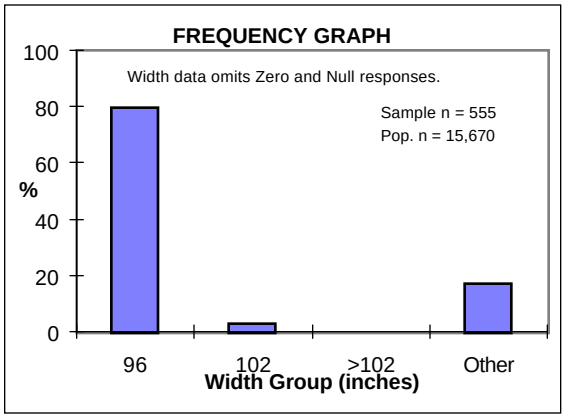
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2
Body Type: Grain Bodies
Population Size: 20,042 Sample Size: 726

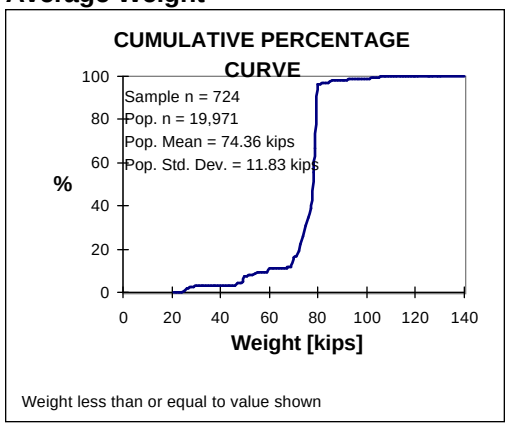
Empty Weight



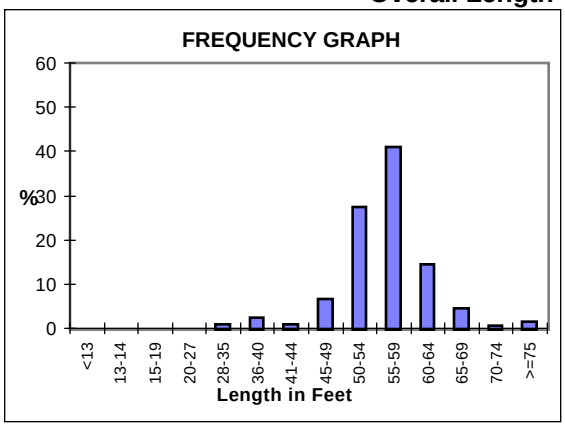
External Trailer Width



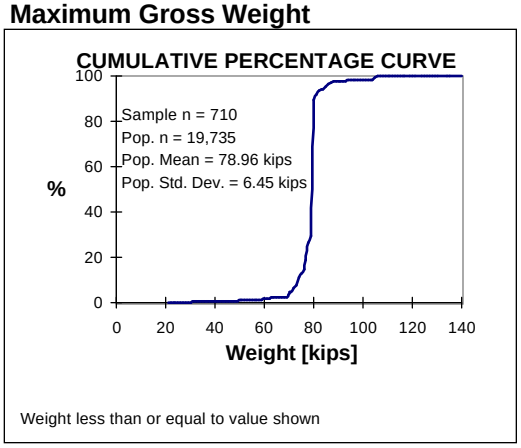
Average Weight



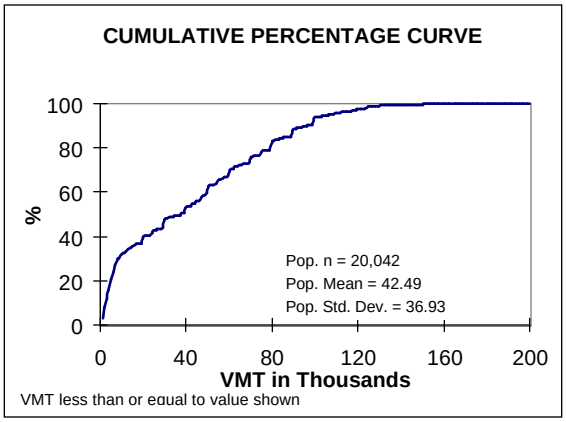
Overall Length



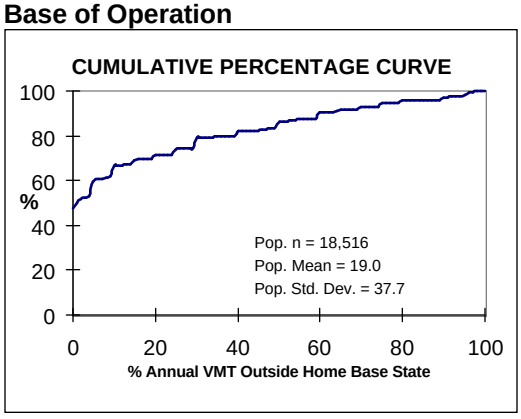
Maximum Gross Weight



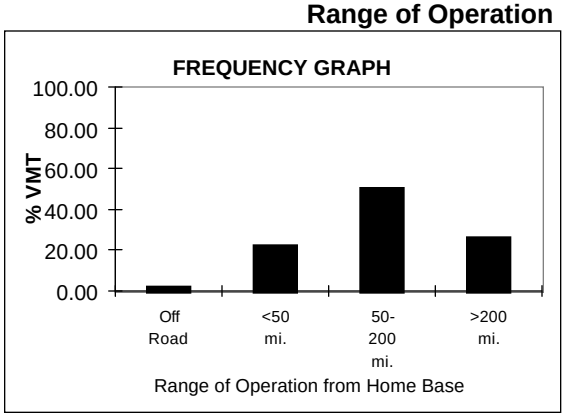
Annual VMT



Base of Operation

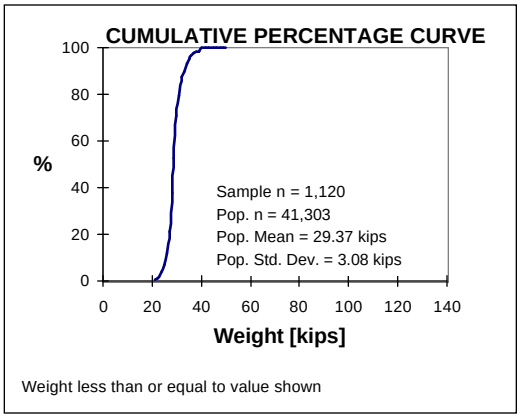


Range of Operation

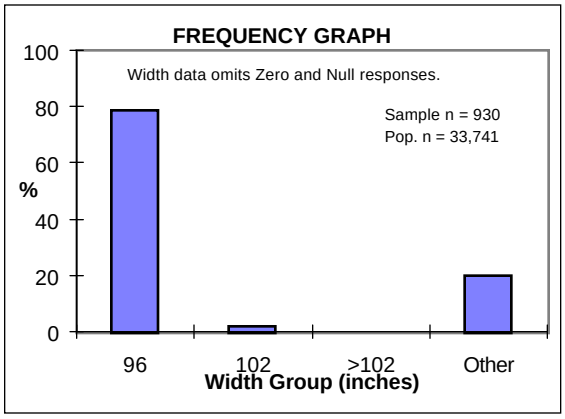


Vehicle Type: 3-S2 *1987 Fleet*
Body Type: Dump Truck
Population Size: 45,947 Sample Size: 1,320

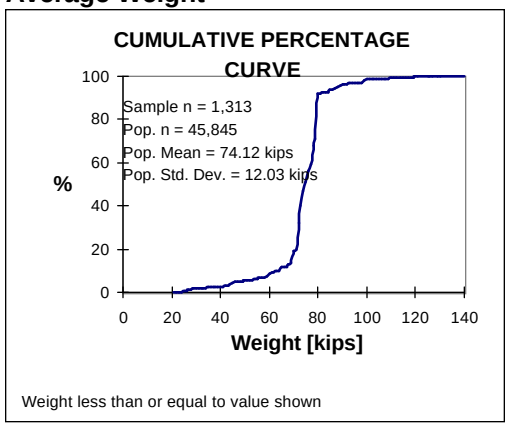
Empty Weight



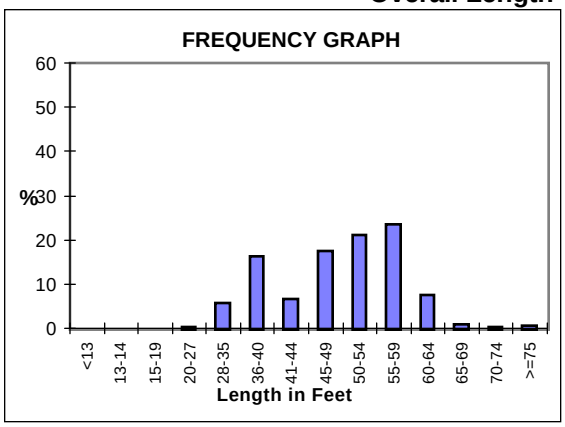
External Trailer Width



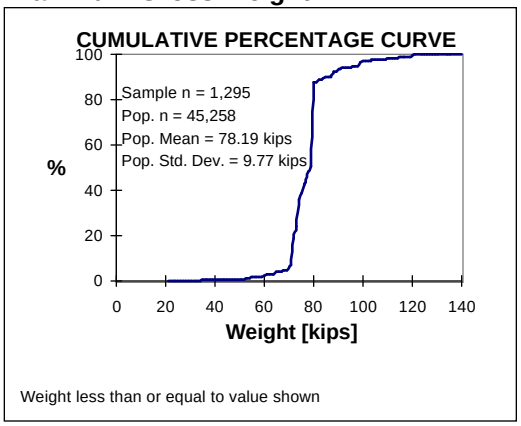
Average Weight



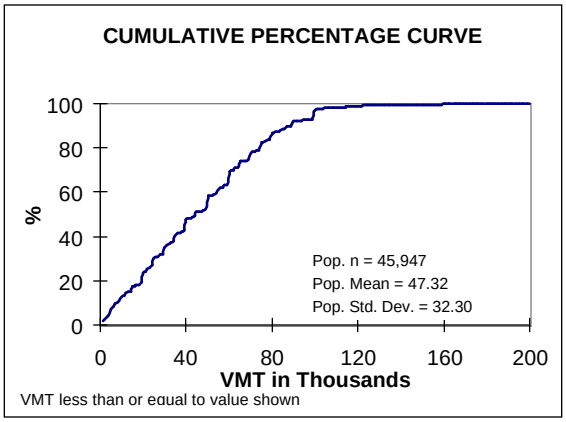
Overall Length



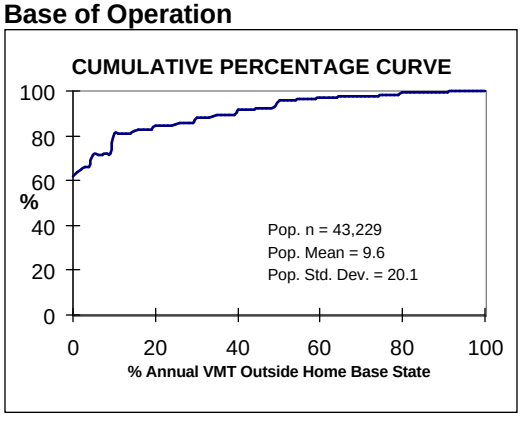
Maximum Gross Weight



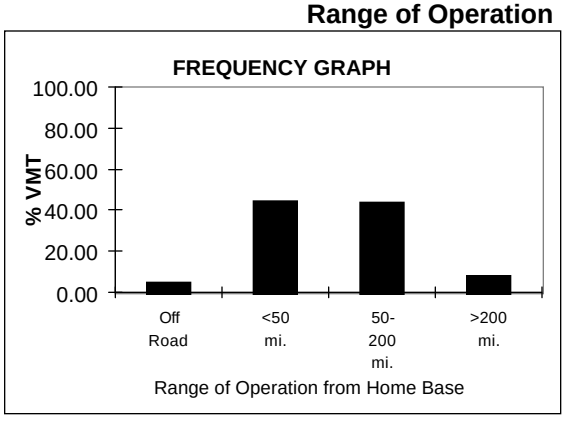
Annual VMT



Base of Operation



Range of Operation



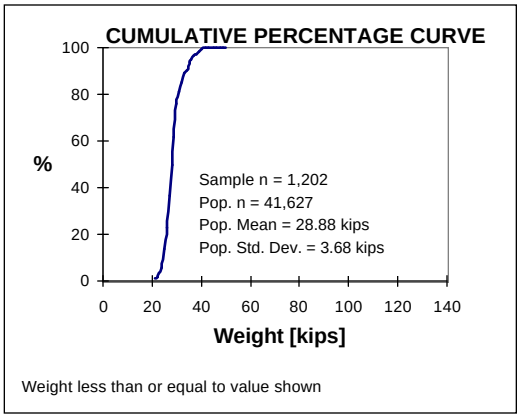
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1987 Fleet*

Body Type: Tank - Liquid or Gas

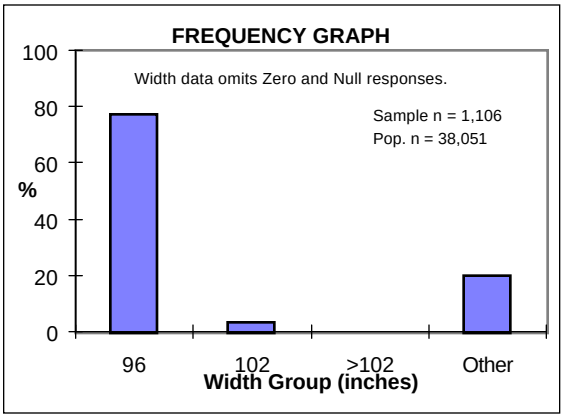
Population Size: 51,018 Sample Size: 1,480

Empty Weight

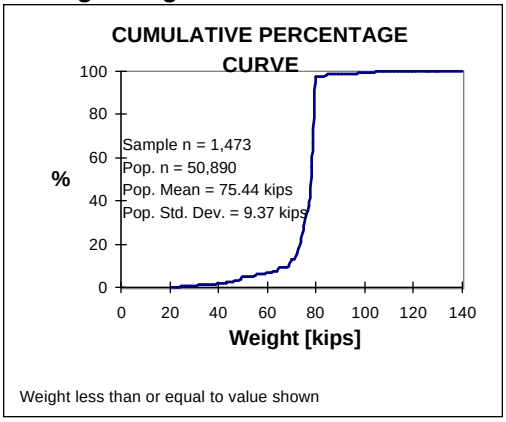


Weight less than or equal to value shown

External Trailer Width

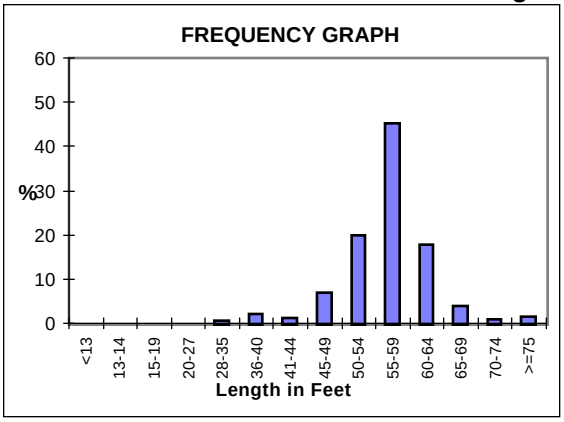


Average Weight

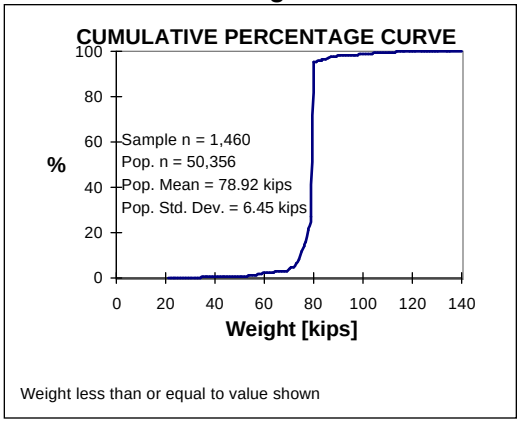


Weight less than or equal to value shown

Overall Length

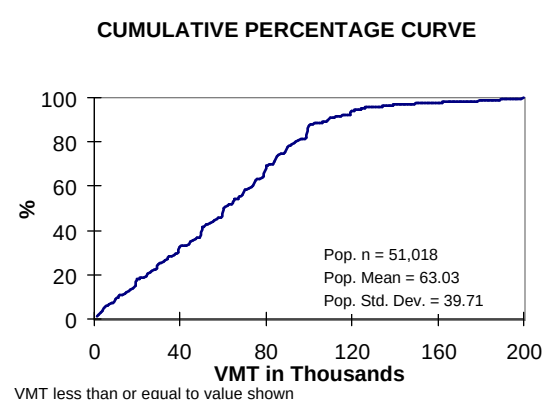


Maximum Gross Weight



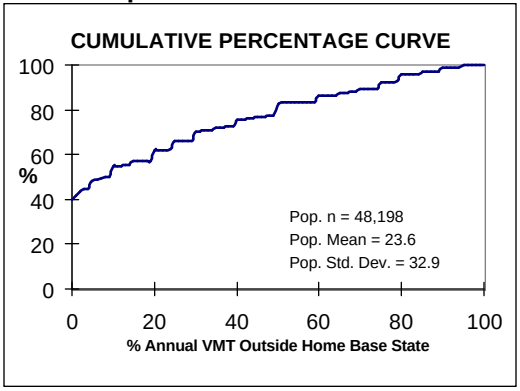
Weight less than or equal to value shown

Annual VMT

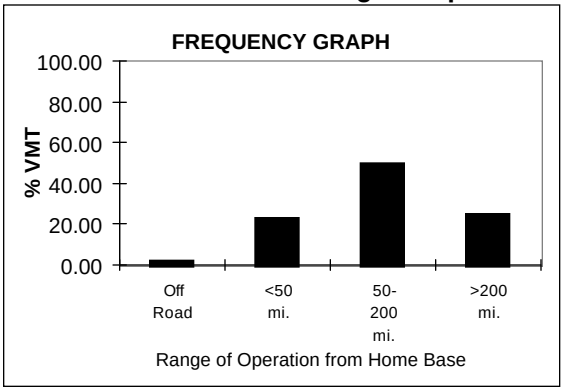


VMT less than or equal to value shown

Base of Operation



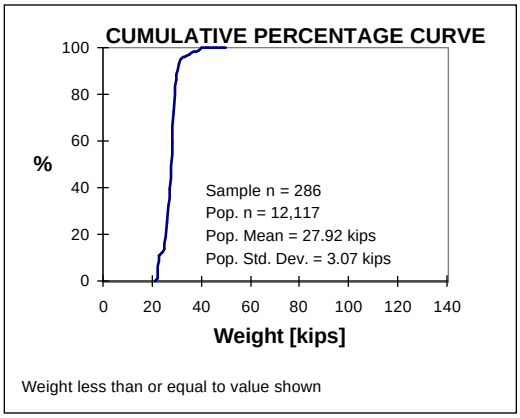
Range of Operation



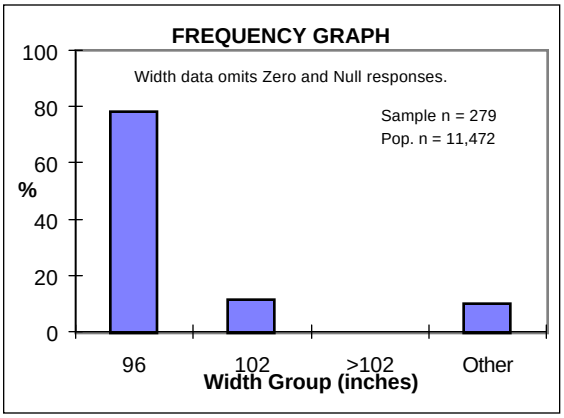
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1987 Fleet*
Body Type: Tank - Dry
Population Size: 13,536 Sample Size: 332

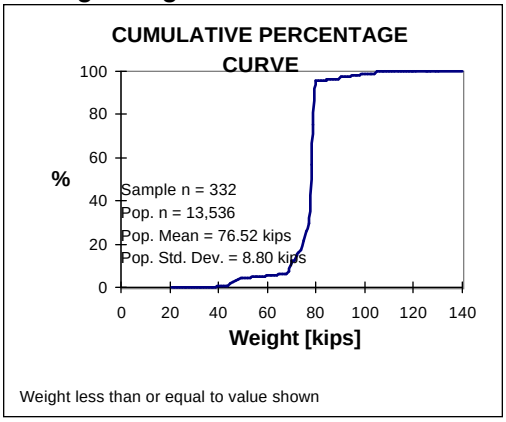
Empty Weight



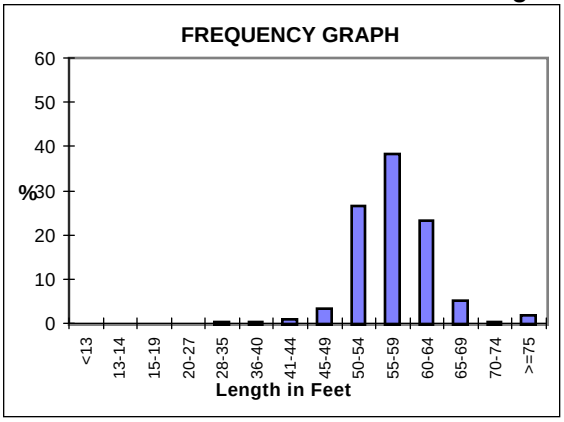
External Trailer Width



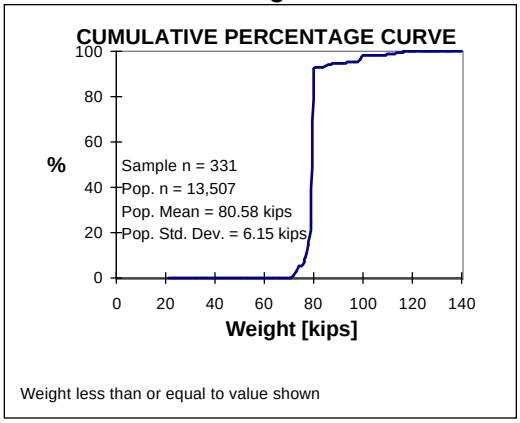
Average Weight



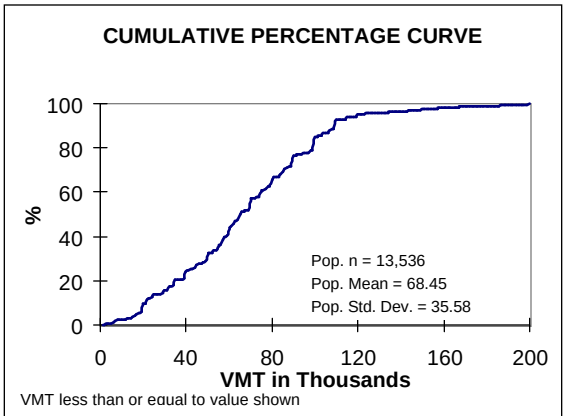
Overall Length



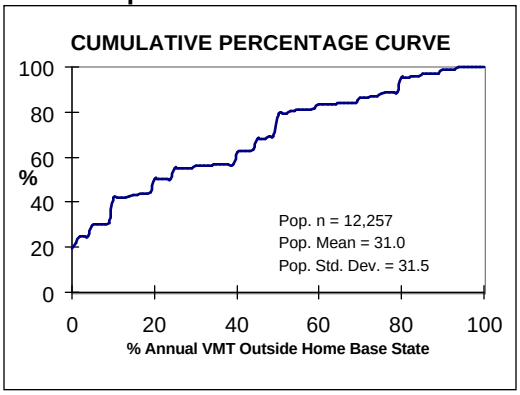
Maximum Gross Weight



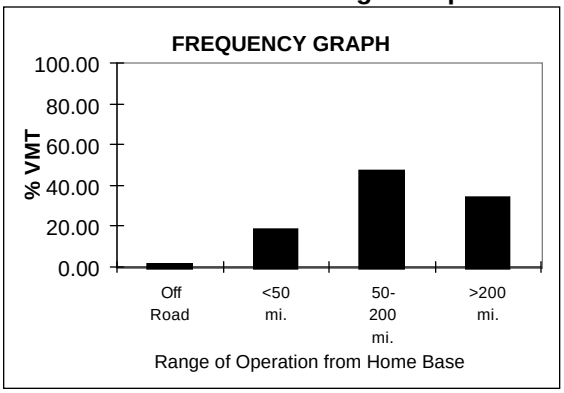
Annual VMT



Base of Operation



Range of Operation



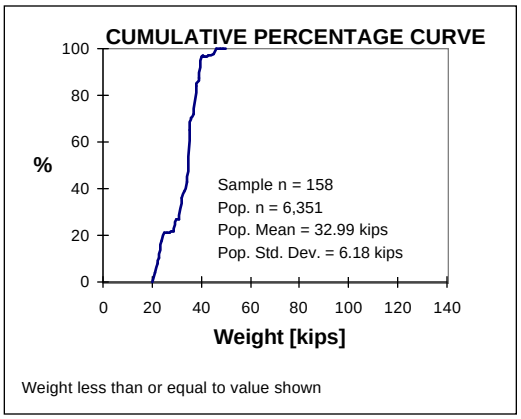
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S2 *1987 Fleet*

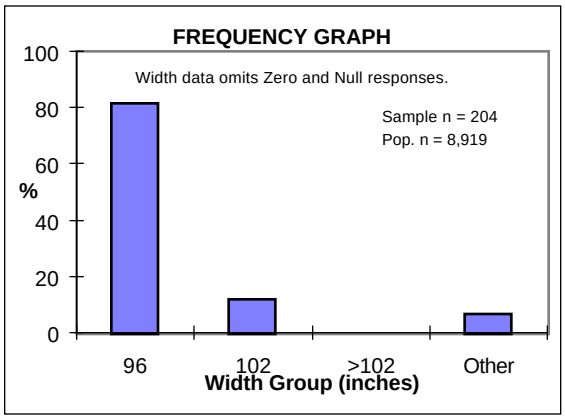
Body Type: Automobile Transport

Population Size: 9,898 Sample Size: 232

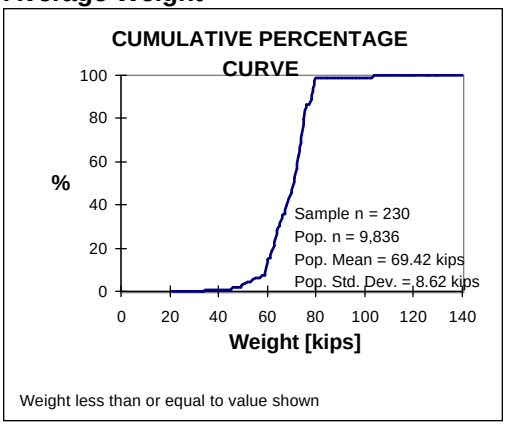
Empty Weight



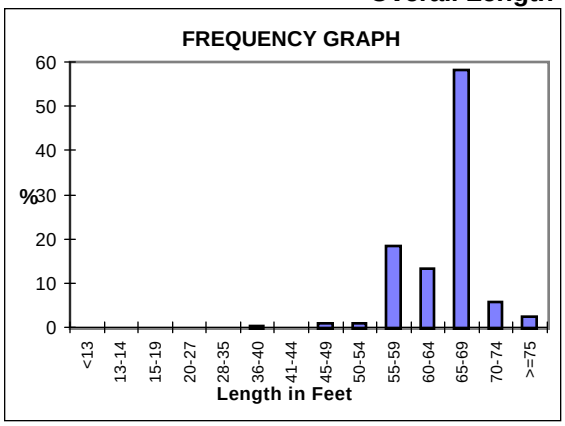
External Trailer Width



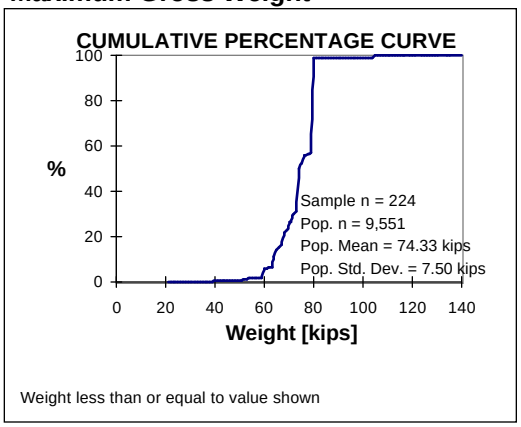
Average Weight



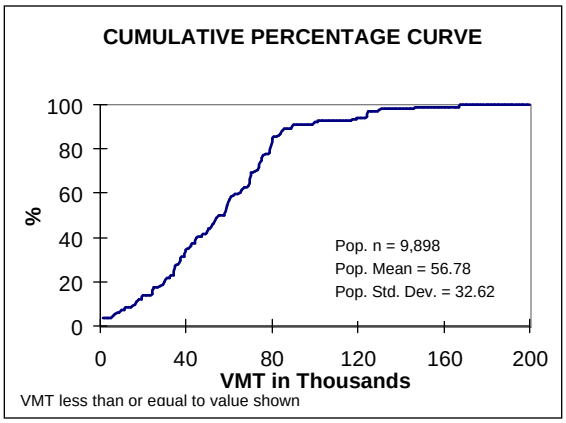
Overall Length



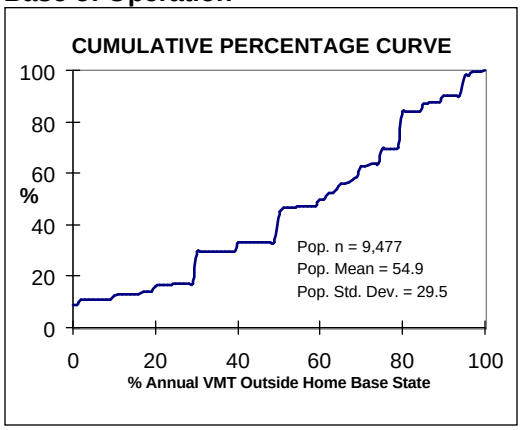
Maximum Gross Weight



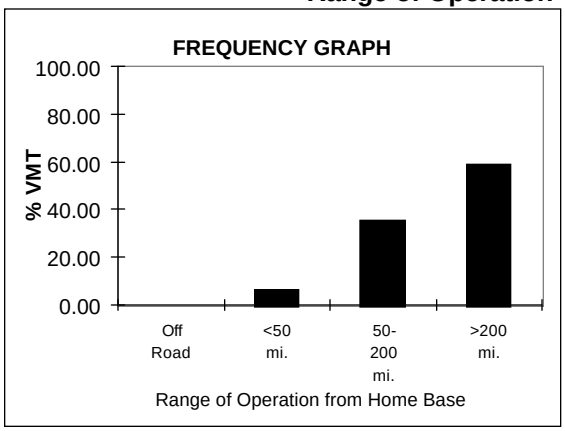
Annual VMT



Base of Operation



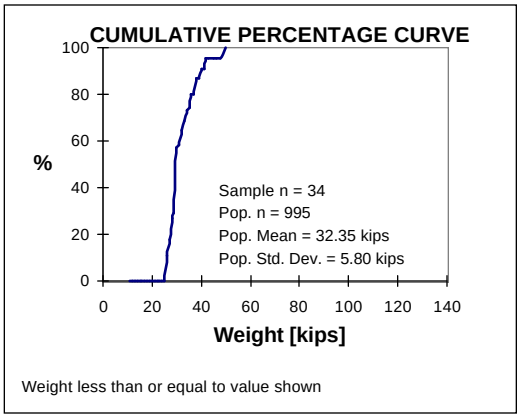
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

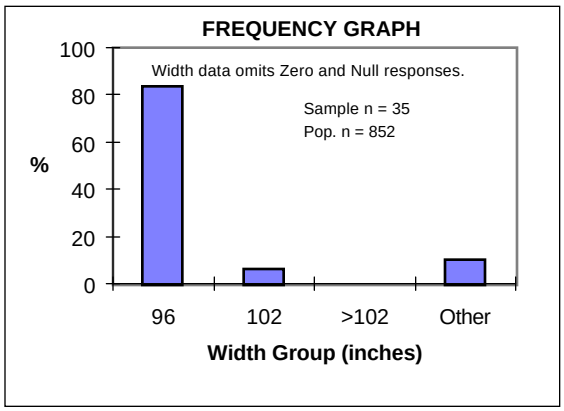
Vehicle Type: 3-S3 *1987 Fleet*
Body Type: Tank Liquid
Population Size: 1,763 Sample Size: 56

Empty Weight

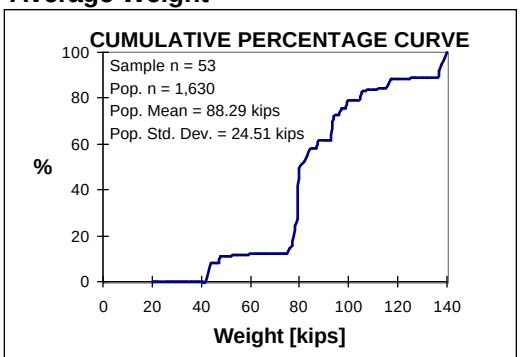


Weight less than or equal to value shown

External Trailer Width

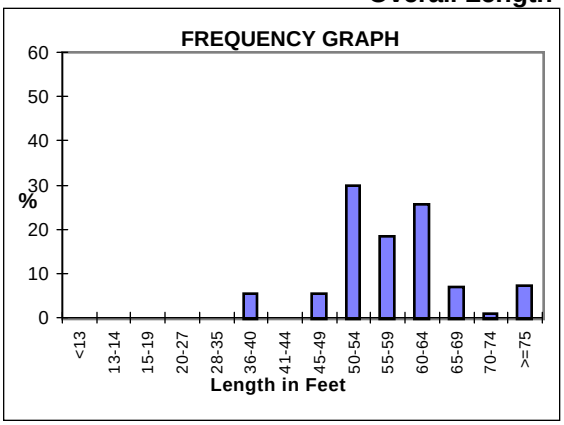


Average Weight

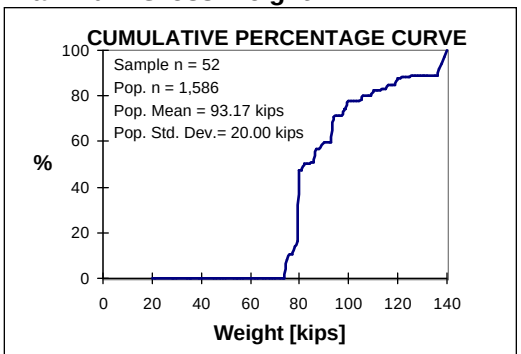


Weight less than or equal to value shown

Overall Length

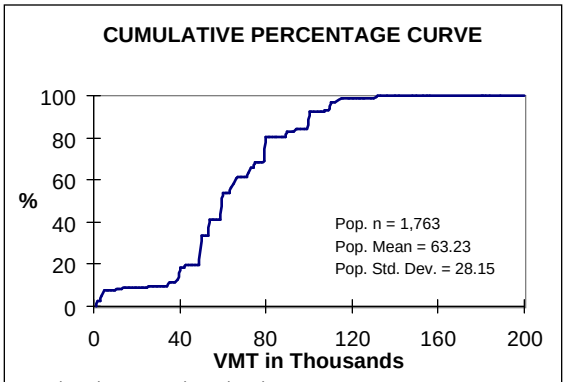


Maximum Gross Weight



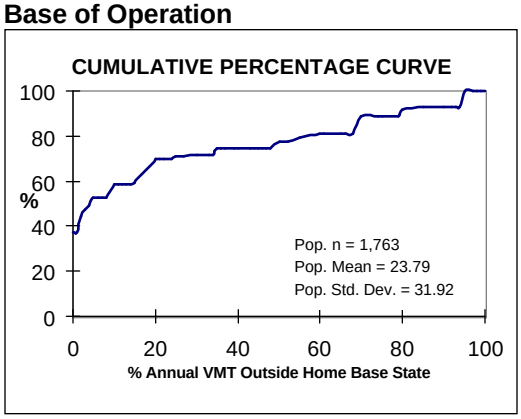
Weight less than or equal to value shown

Annual VMT

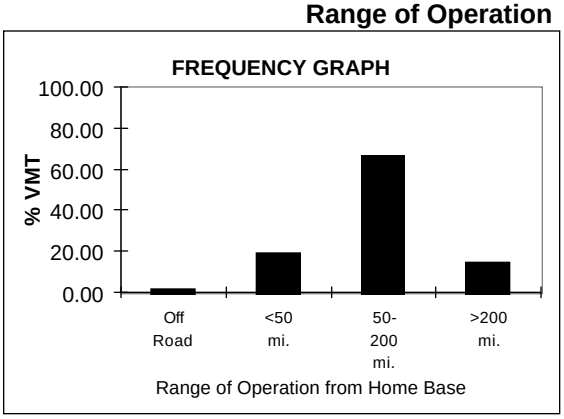


VMT less than or equal to value shown

Base of Operation



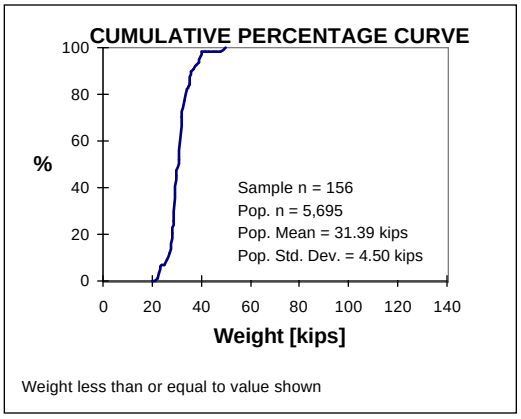
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

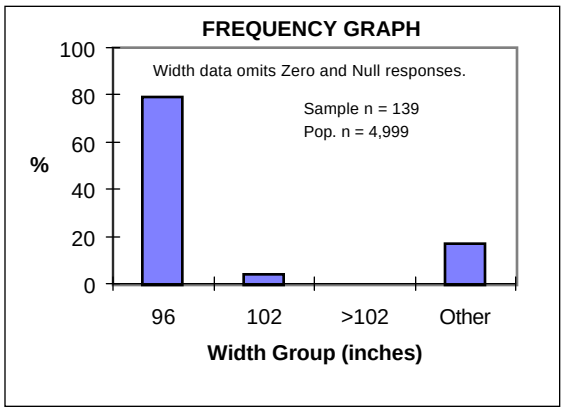
Vehicle Type: 3-S3 *1987 Fleet*
Body Type: Dump Truck
Population Size: 7,451 Sample Size: 205

Empty Weight

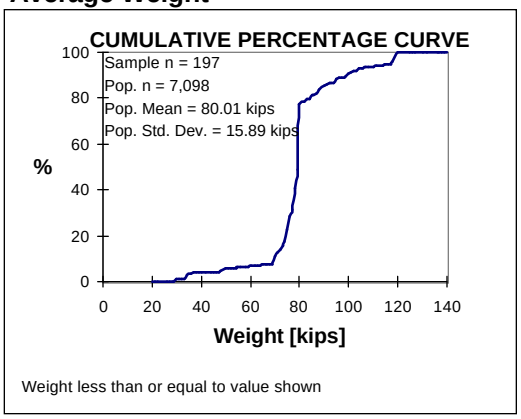


Weight less than or equal to value shown

External Trailer Width

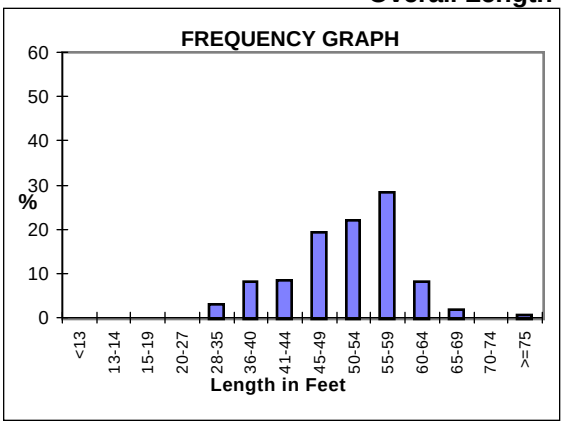


Average Weight

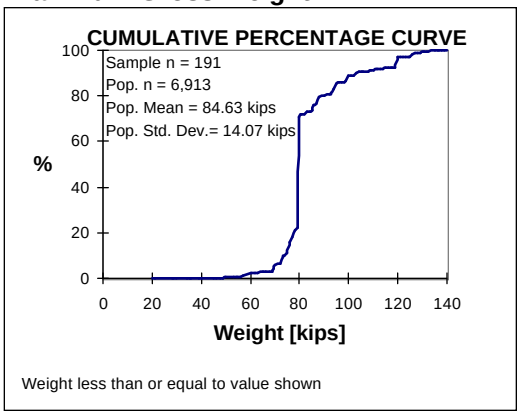


Weight less than or equal to value shown

Overall Length

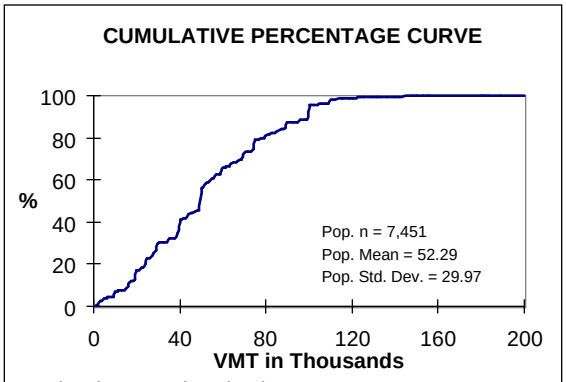


Maximum Gross Weight



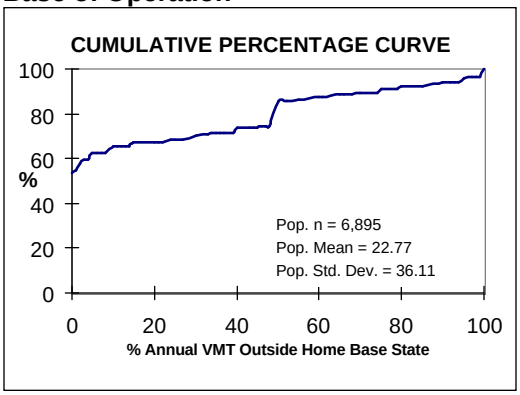
Weight less than or equal to value shown

Annual VMT

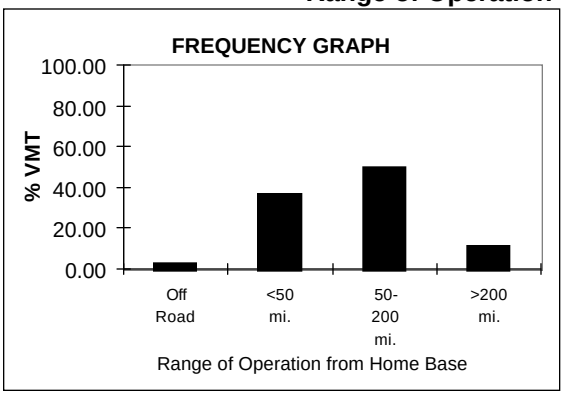


VMT less than or equal to value shown

Base of Operation



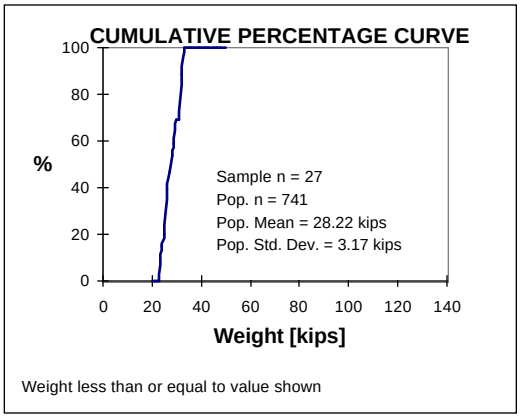
Range of Operation



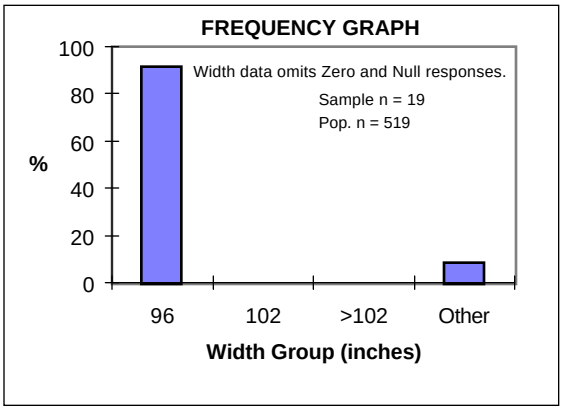
Source: 1987 Truck Inventory and Use Survey 3/4/96

Vehicle Type: 3-S3 *1987 Fleet*
Body Type: Grain Bodies
Population Size: 913 Sample Size: 30

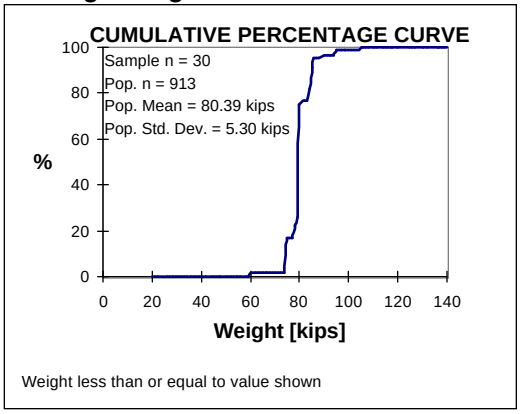
Empty Weight



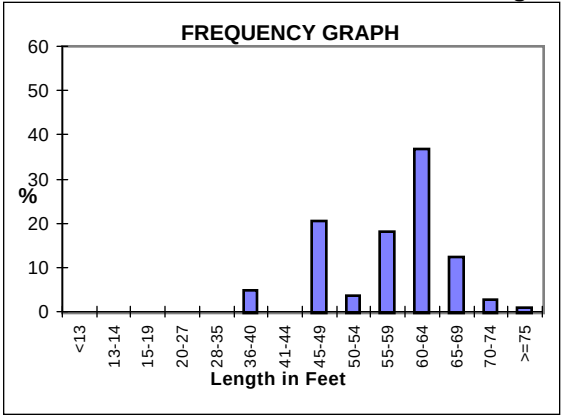
External Trailer Width



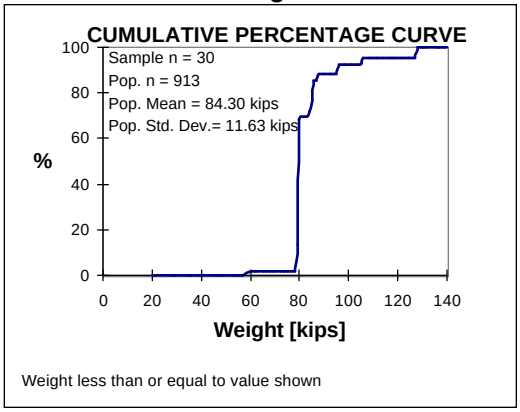
Average Weight



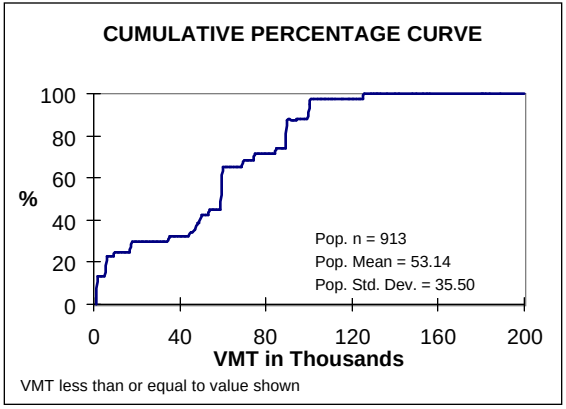
Overall Length



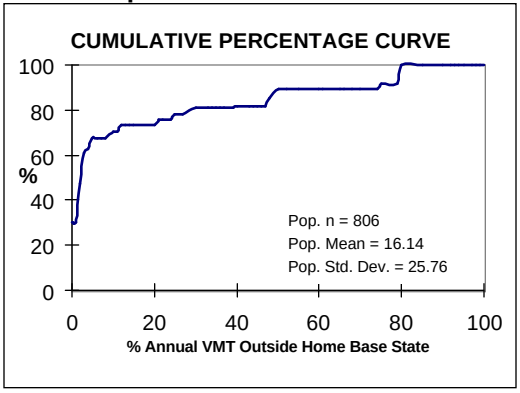
Maximum Gross Weight



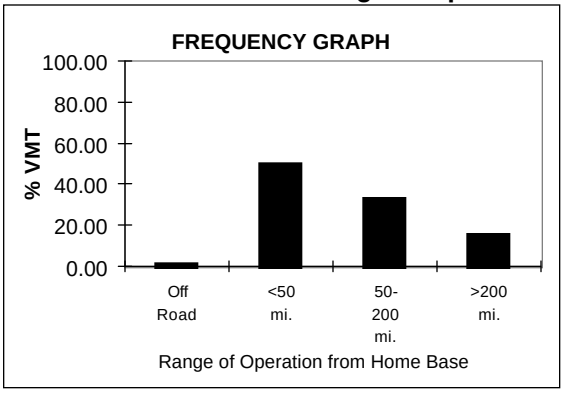
Annual VMT



Base of Operation



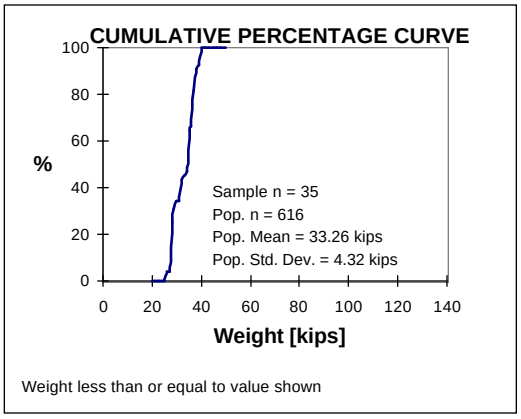
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

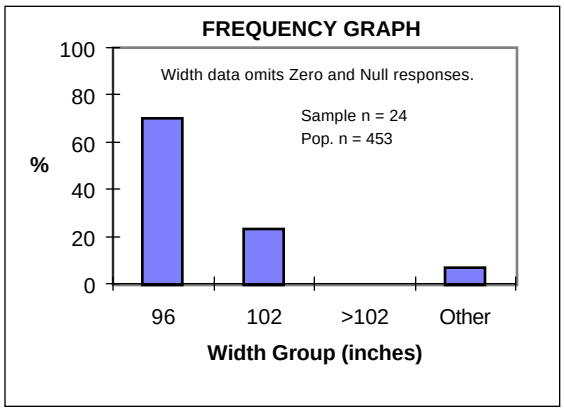
Vehicle Type: 3-S3 *1987 Fleet*
Body Type: Pole Logging
Population Size: 687 Sample Size: 40

Empty Weight

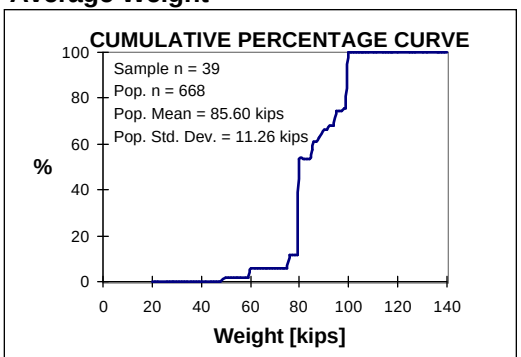


Weight less than or equal to value shown

External Trailer Width

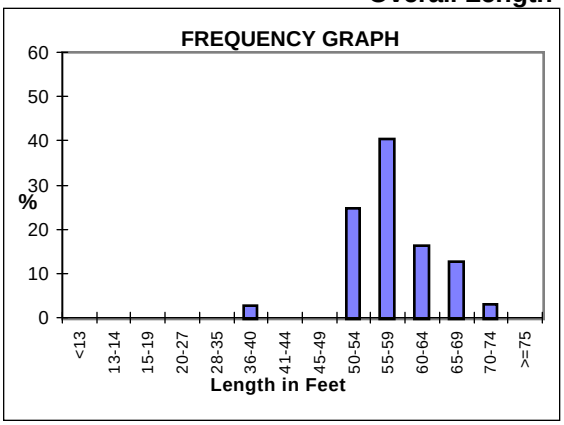


Average Weight

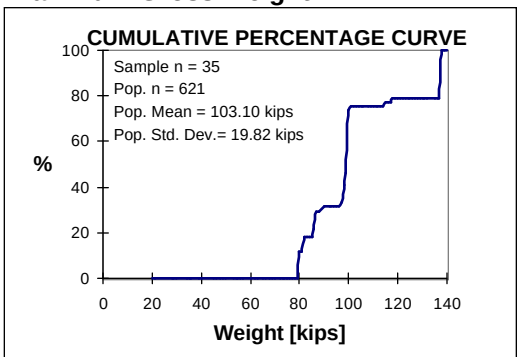


Weight less than or equal to value shown

Overall Length

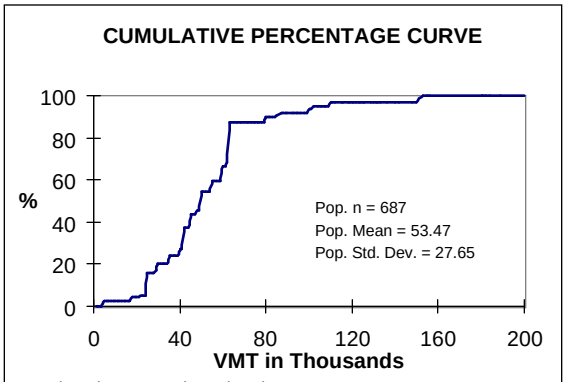


Maximum Gross Weight



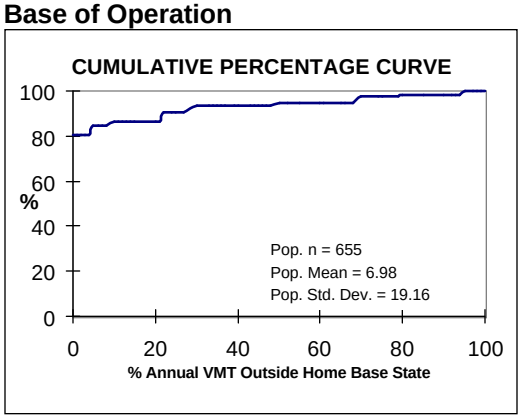
Weight less than or equal to value shown

Annual VMT

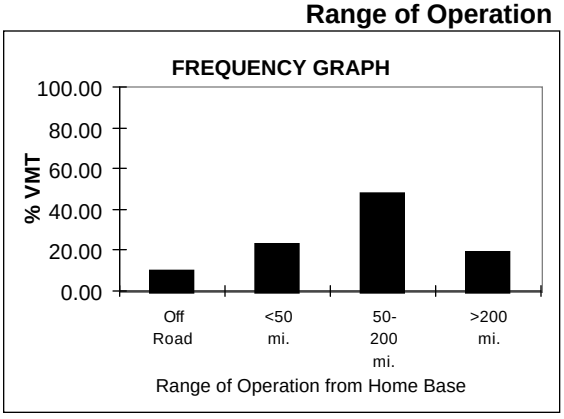


VMT less than or equal to value shown

Base of Operation



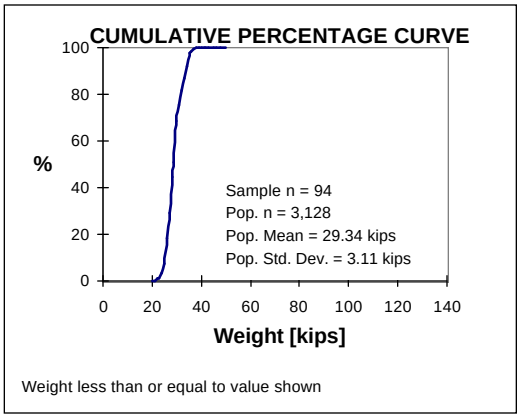
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

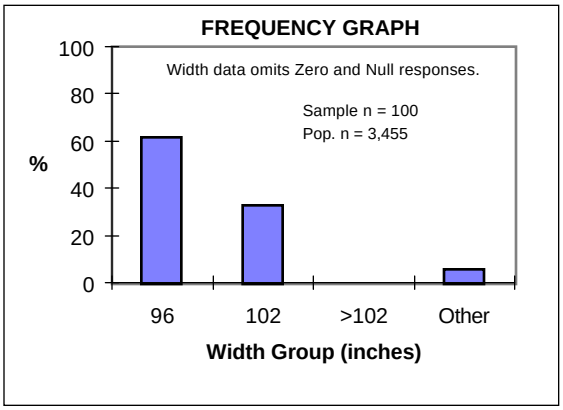
Vehicle Type: 3-S3 *1987 Fleet*
Body Type: Basic Enclosed
Population Size: 4,716 Sample Size: 133

Empty Weight

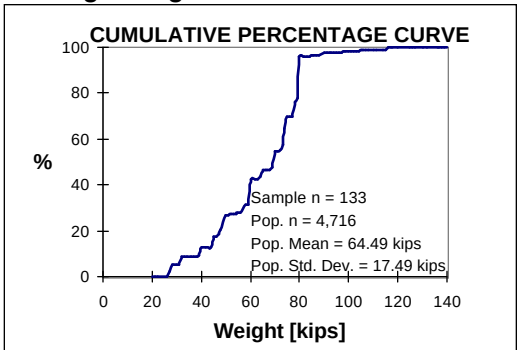


Weight less than or equal to value shown

External Trailer Width

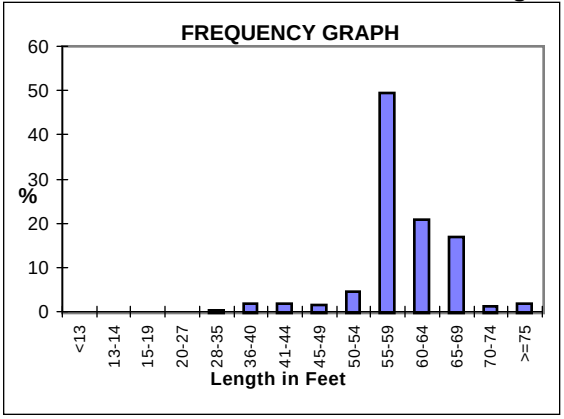


Average Weight

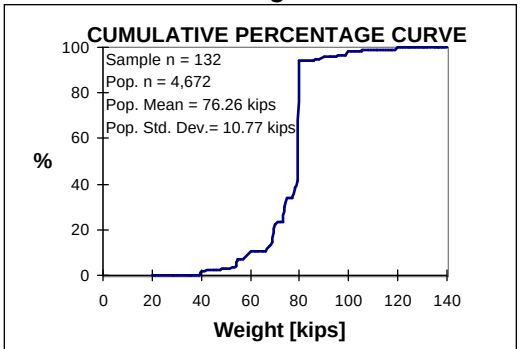


Weight less than or equal to value shown

Overall Length

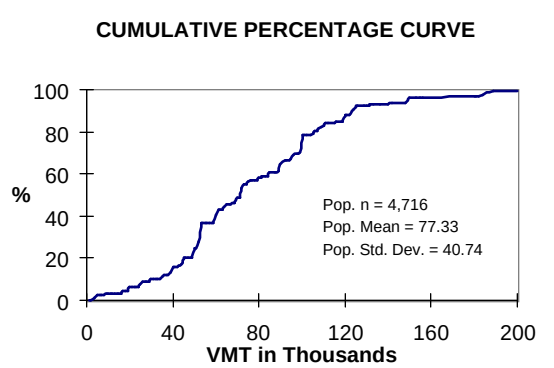


Maximum Gross Weight



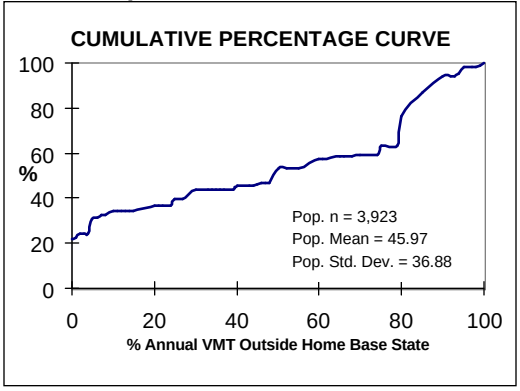
Weight less than or equal to value shown

Annual VMT

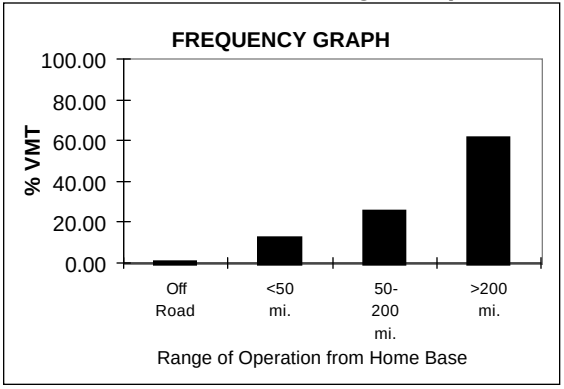


VMT less than or equal to value shown

Base of Operation



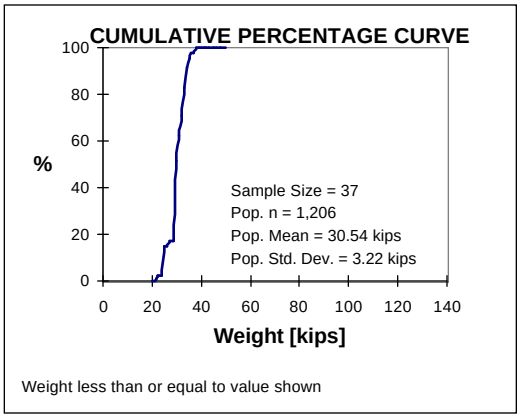
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

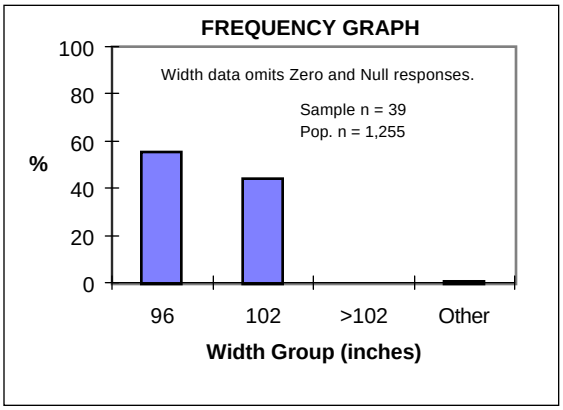
Vehicle Type: 3-S3 *1987 Fleet*
Body Type: Insulated Refrigerated
Population Size: 1,538 Sample Size: 49

Empty Weight

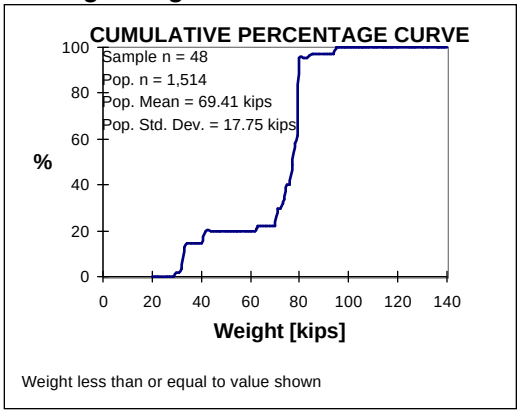


Weight less than or equal to value shown

External Trailer Width

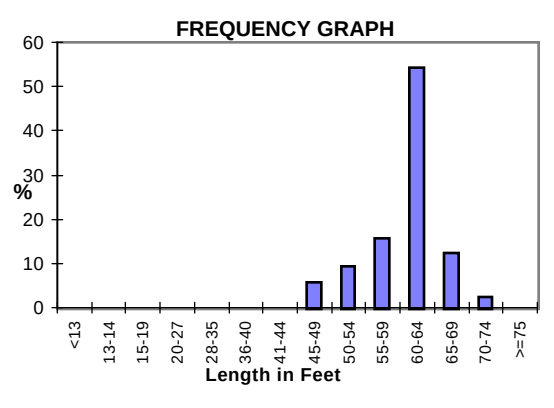


Average Weight

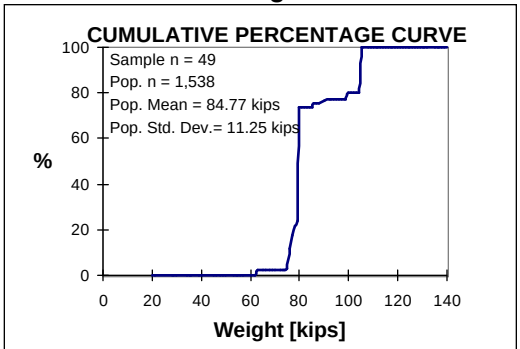


Weight less than or equal to value shown

Overall Length

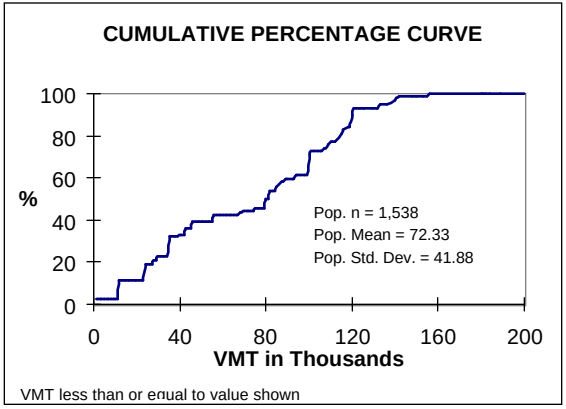


Maximum Gross Weight



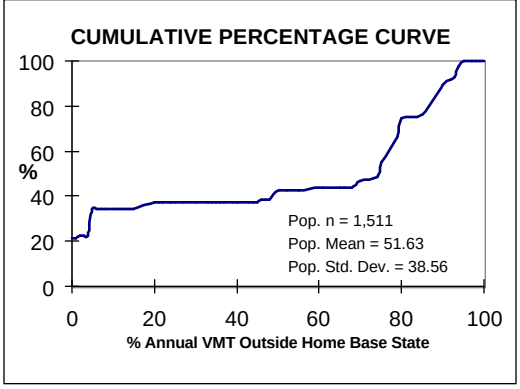
Weight less than or equal to value shown

Annual VMT

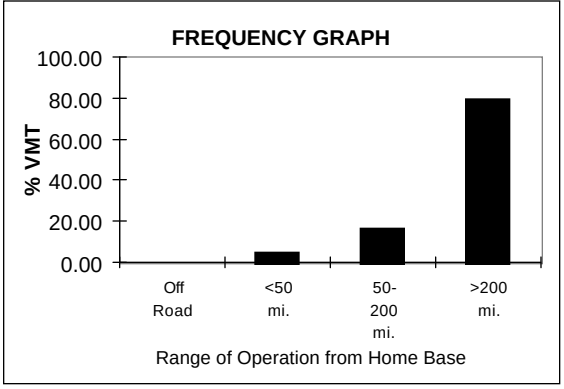


VMT less than or equal to value shown

Base of Operation



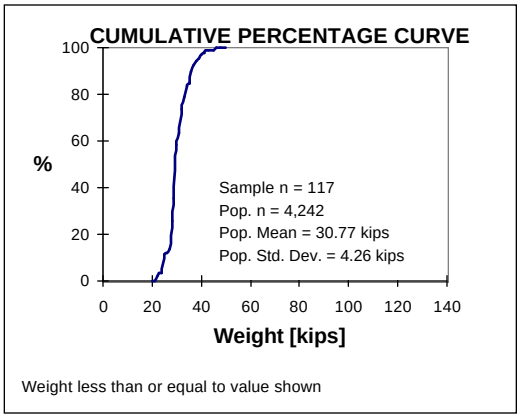
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

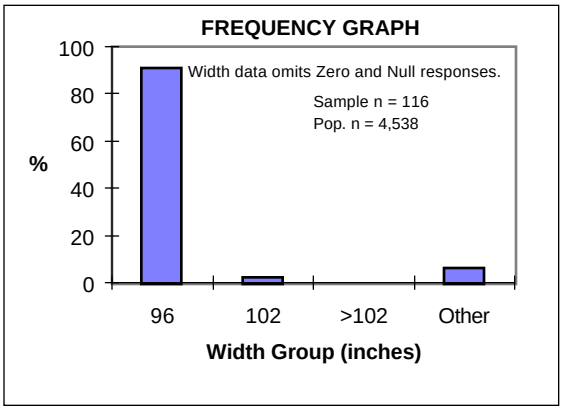
Vehicle Type: 3-S3 *1987 Fleet*
Body Type: Basic Platform
Population Size: 6,739 Sample Size: 174

Empty Weight

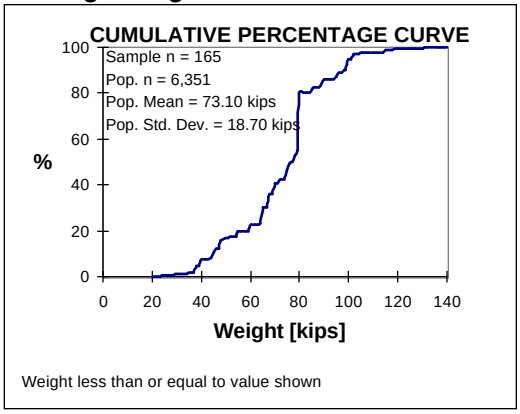


Weight less than or equal to value shown

External Trailer Width

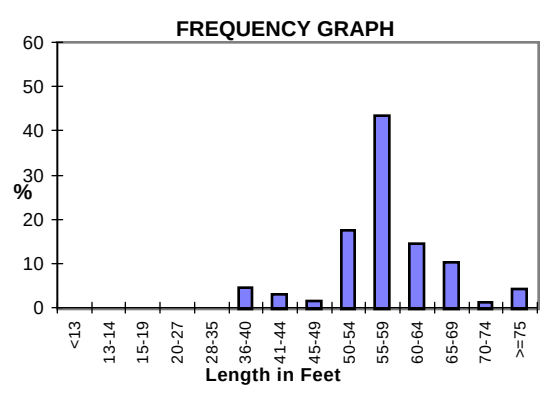


Average Weight

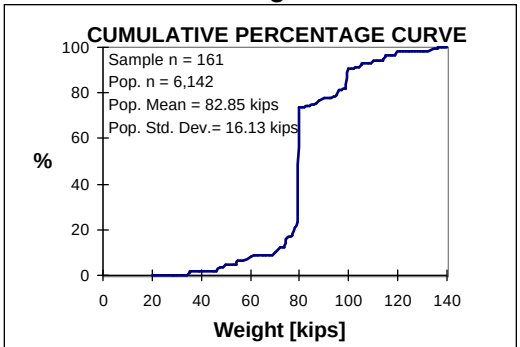


Weight less than or equal to value shown

Overall Length

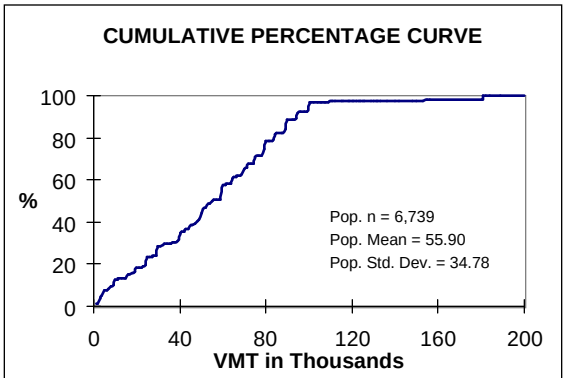


Maximum Gross Weight



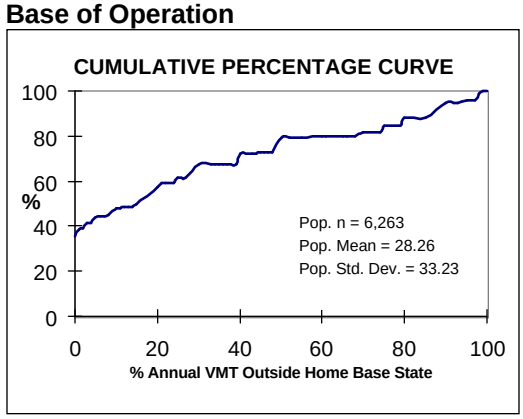
Weight less than or equal to value shown

Annual VMT

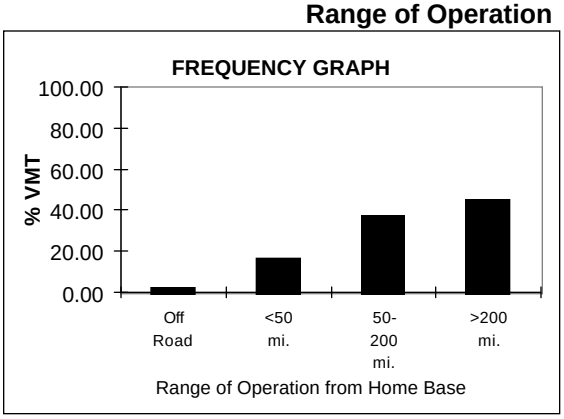


VMT less than or equal to value shown

Base of Operation



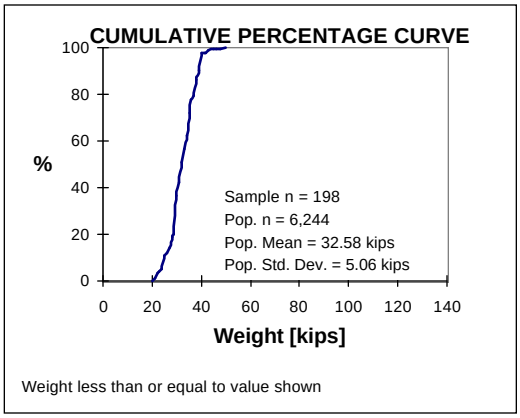
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

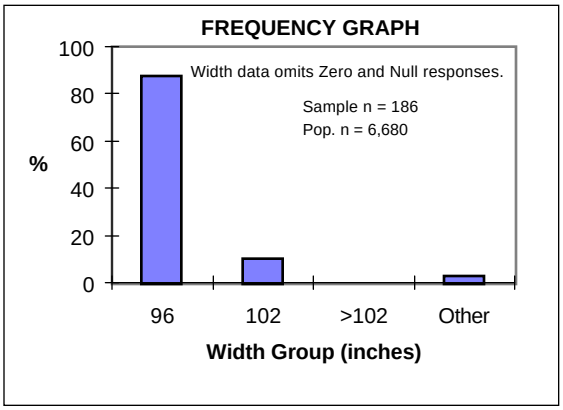
Vehicle Type: 3-S3 *1987 Fleet*
Body Type: Low Boy
Population Size: 10,484 Sample Size: 309

Empty Weight

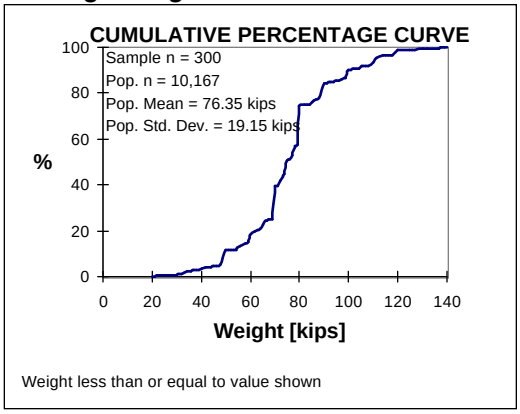


Weight less than or equal to value shown

External Trailer Width

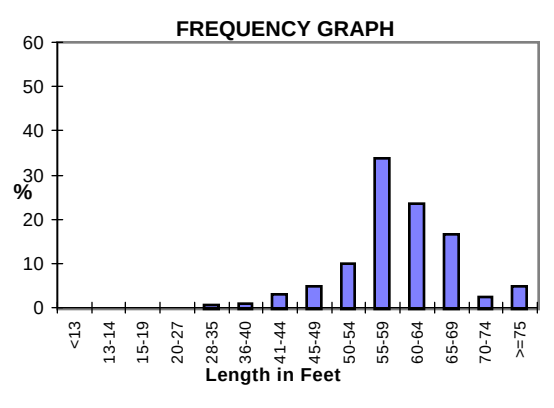


Average Weight

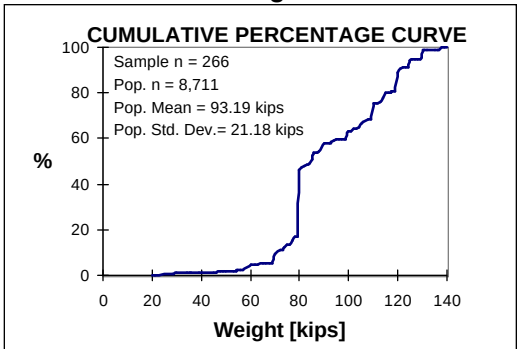


Weight less than or equal to value shown

Overall Length

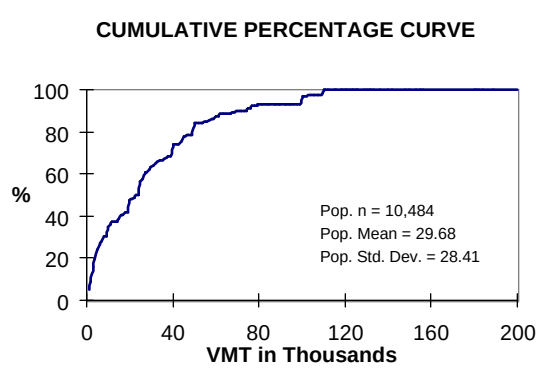


Maximum Gross Weight



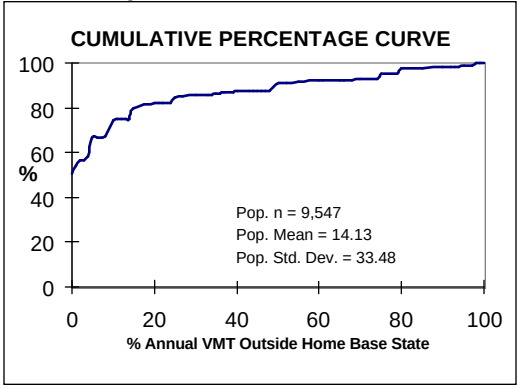
Weight less than or equal to value shown

Annual VMT

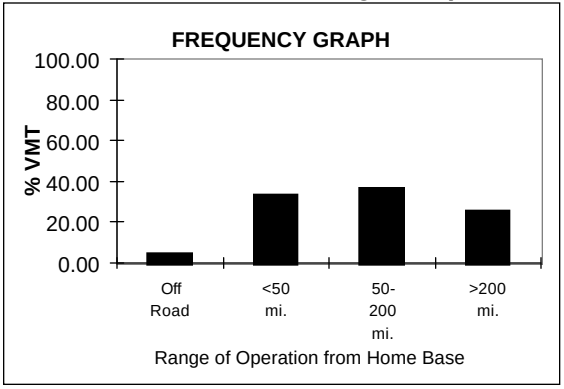


VMT less than or equal to value shown

Base of Operation



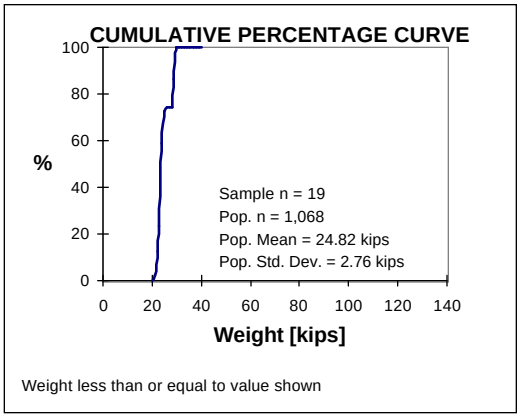
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

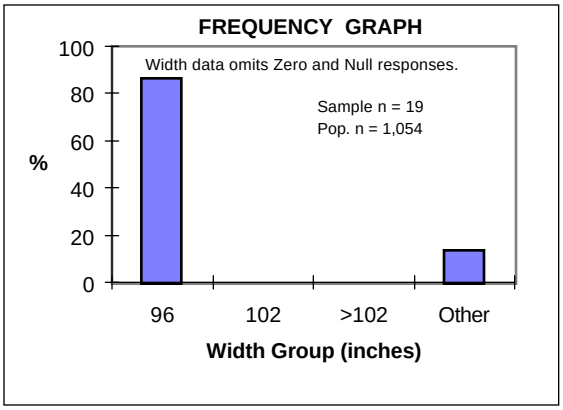
Vehicle Type: 2-S1-2
Body Type: Grain Bodies
Population Size: 1,298 Sample Size: 22

Empty Weight

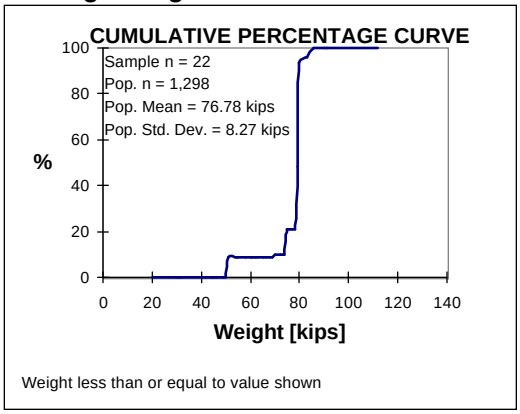


Weight less than or equal to value shown

External Trailer Width

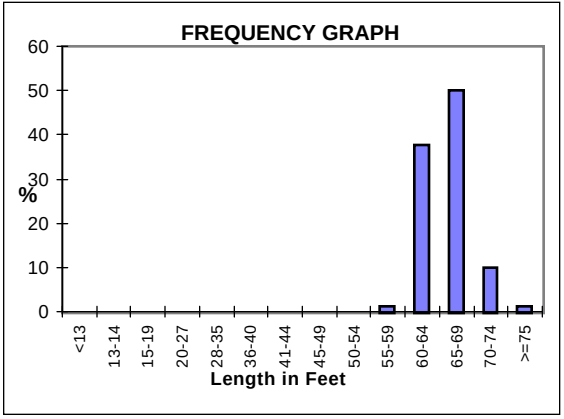


Average Weight

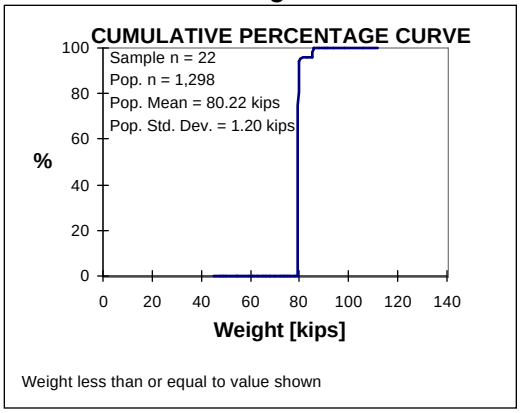


Weight less than or equal to value shown

Overall Length

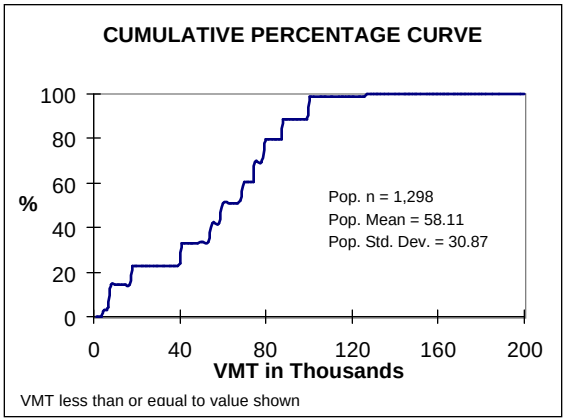


Maximum Gross Weight



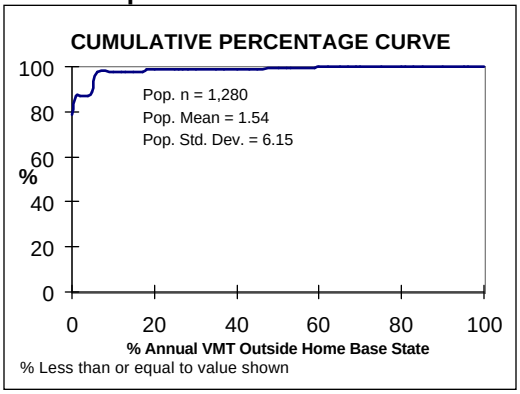
Weight less than or equal to value shown

Annual VMT



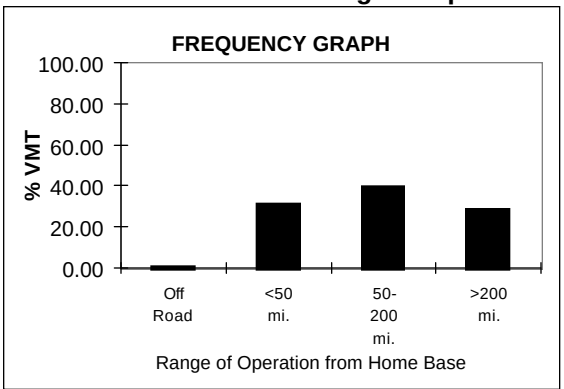
VMT less than or equal to value shown

Base of Operation



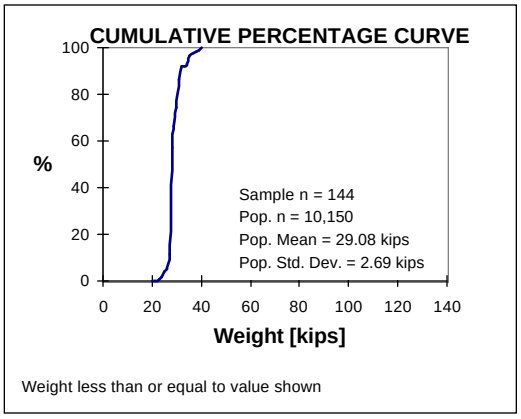
% Less than or equal to value shown

Range of Operation



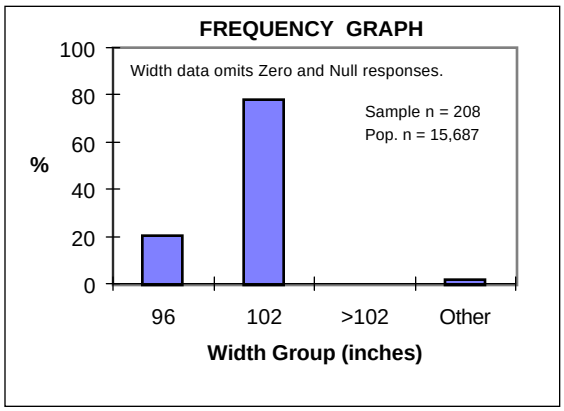
Vehicle Type: 2-S1-2 *1987 Fleet*
Body Type: Basic Enclosed
Population Size: 15,984 Sample Size: 211

Empty Weight

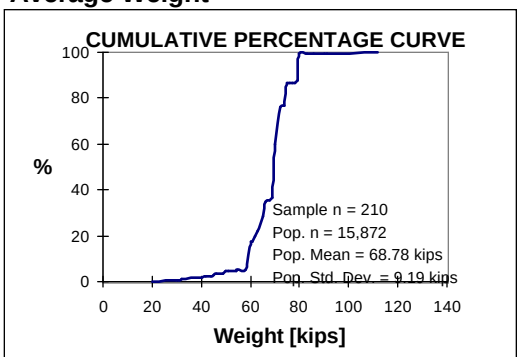


Weight less than or equal to value shown

External Trailer Width

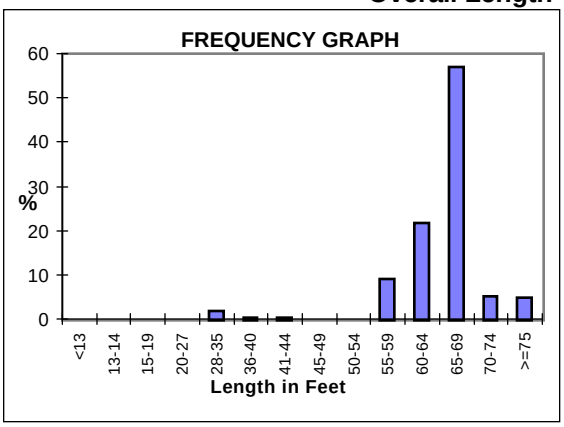


Average Weight

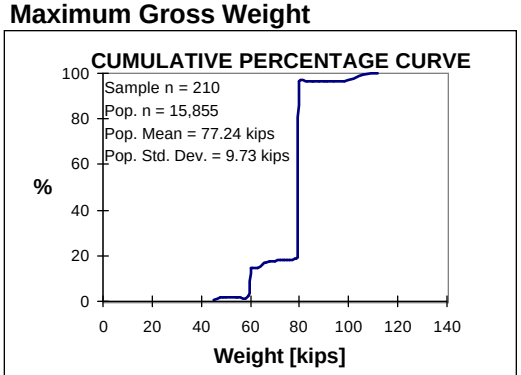


Weight less than or equal to value shown

Overall Length

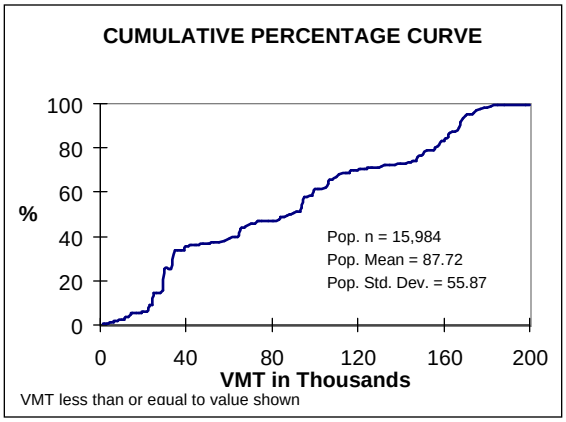


Maximum Gross Weight



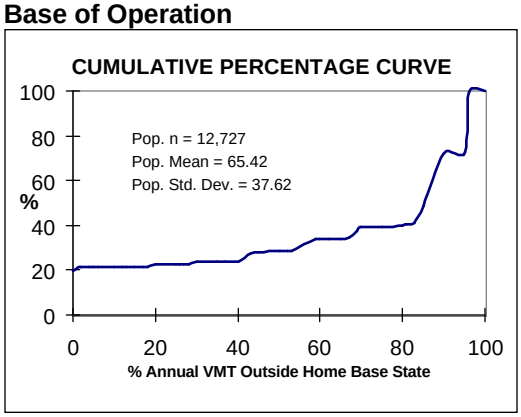
Weight less than or equal to value shown

Annual VMT

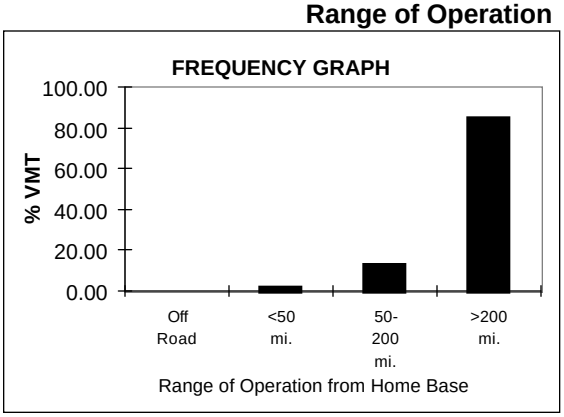


VMT less than or equal to value shown

Base of Operation



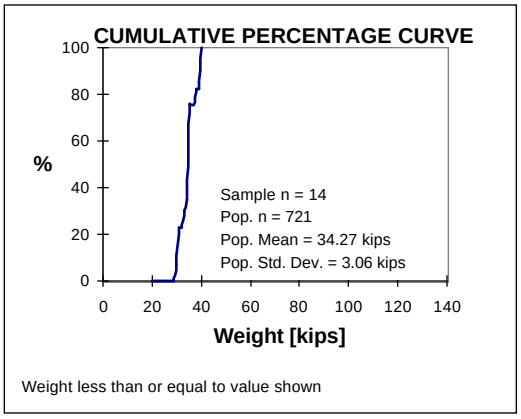
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

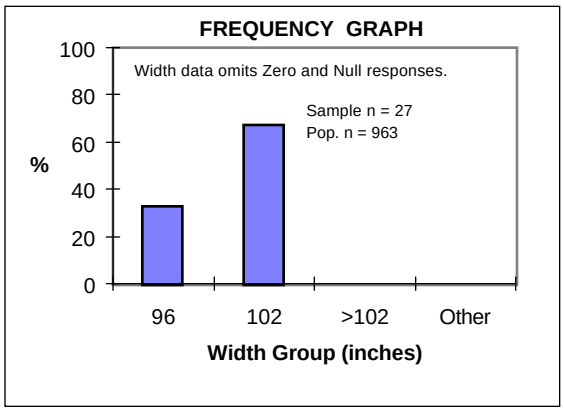
Vehicle Type: 2-S1-2 *1987 Fleet*
Body Type: Drop Frame
Population Size: 1,571 Sample Size: 34

Empty Weight

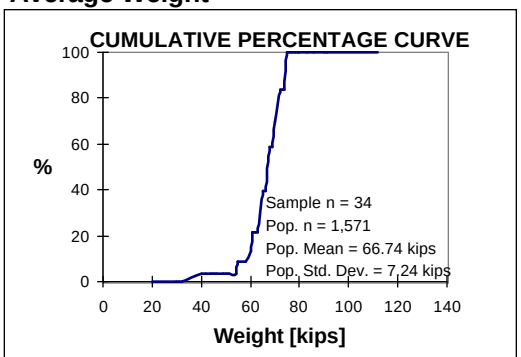


Weight less than or equal to value shown

External Trailer Width

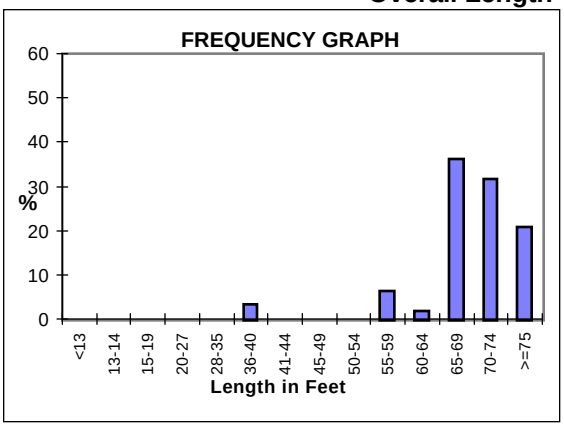


Average Weight

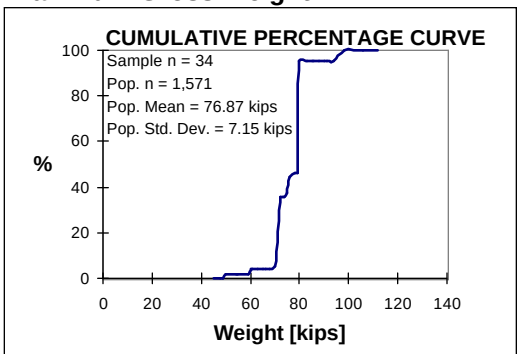


Weight less than or equal to value shown

Overall Length

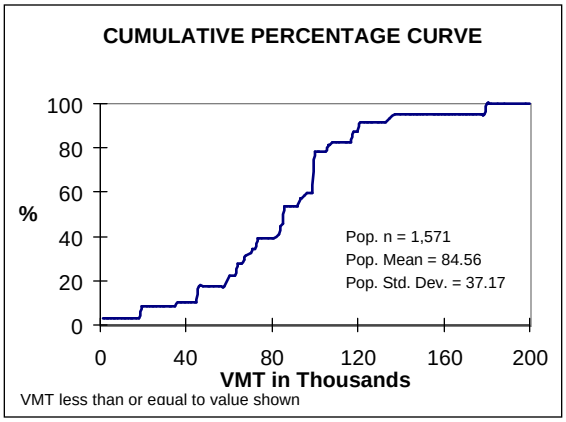


Maximum Gross Weight



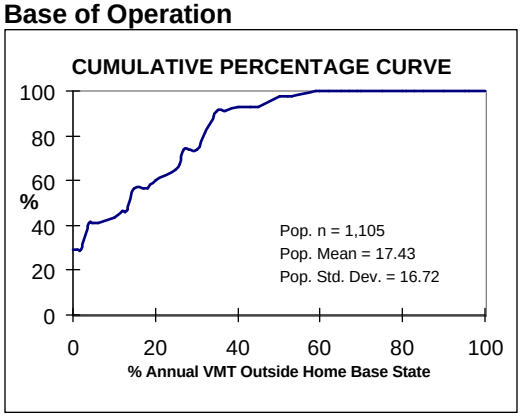
Weight less than or equal to value shown

Annual VMT

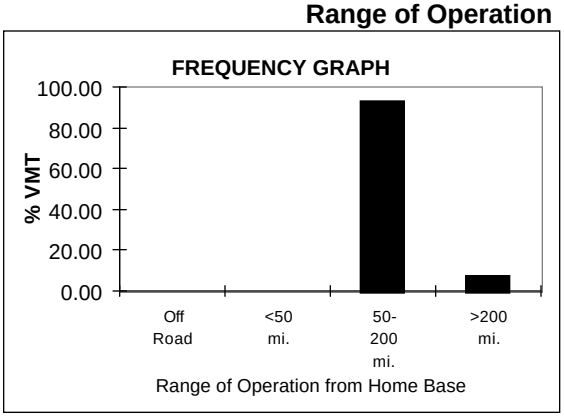


VMT less than or equal to value shown

Base of Operation



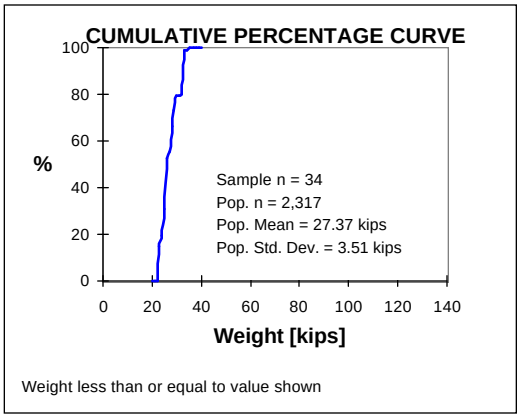
Range of Operation



Source: 1987 Truck Inventory and Use Survey 3/4/96

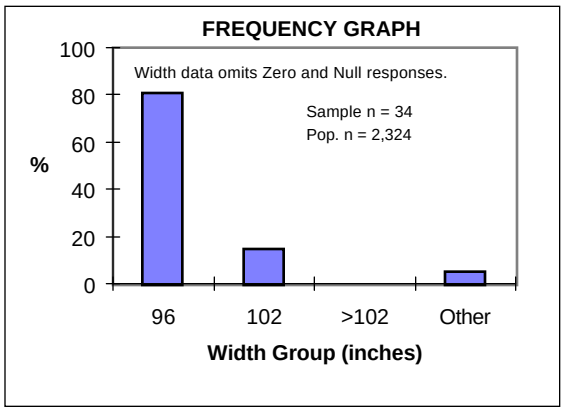
Vehicle Type: 2-S1-2 *1987 Fleet*
Body Type: Basic Platform
Population Size: 2,542 Sample Size: 36

Empty Weight

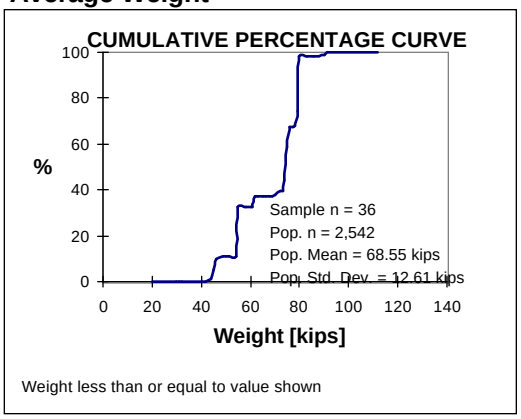


Weight less than or equal to value shown

External Trailer Width

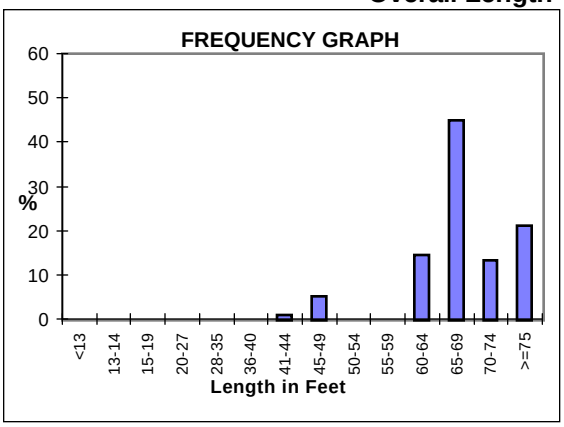


Average Weight

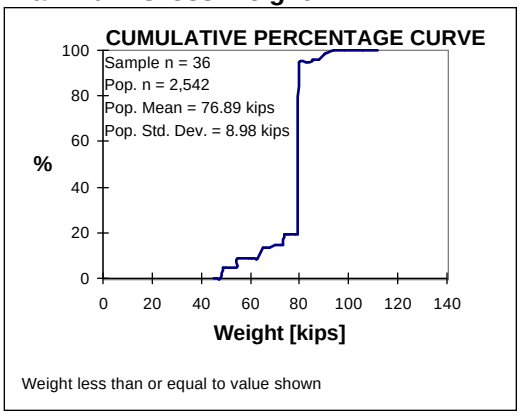


Weight less than or equal to value shown

Overall Length

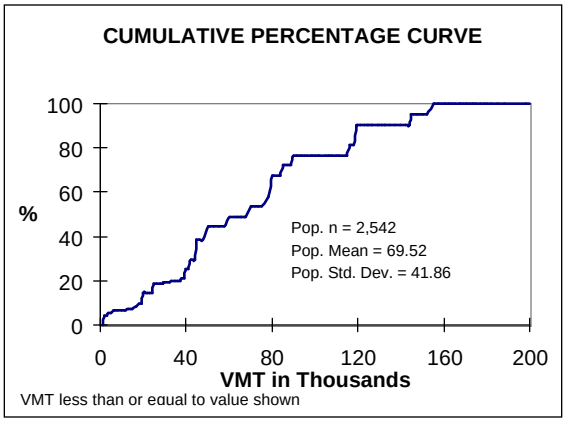


Maximum Gross Weight



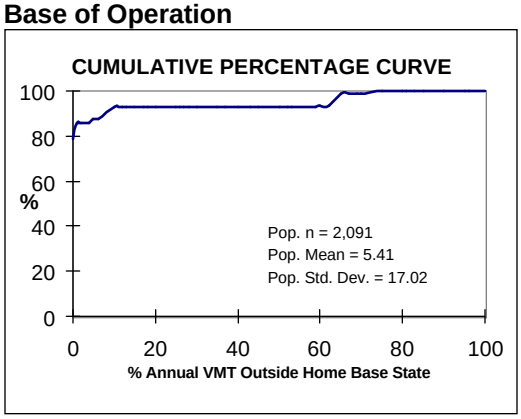
Weight less than or equal to value shown

Annual VMT

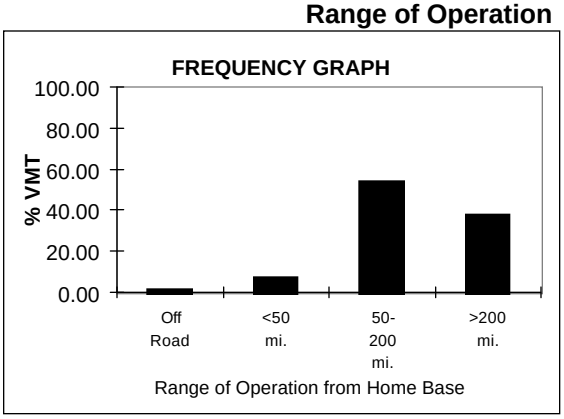


VMT less than or equal to value shown

Base of Operation



Range of Operation



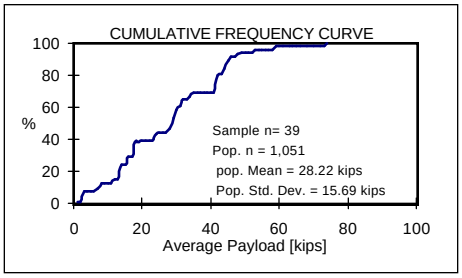
Source: 1987 Truck Inventory and Use Survey 3/4/96

Appendix F

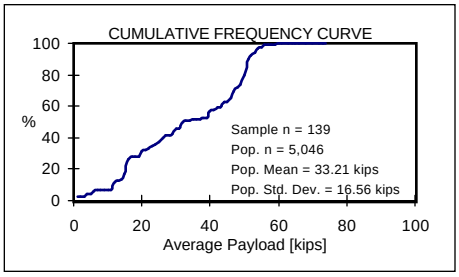
Average Payload Weights and Maximum Payload Weights For the 5-Axles or More Truck Fleet

VEHICLE TYPE: 3+2
AVERAGE PAYLOAD

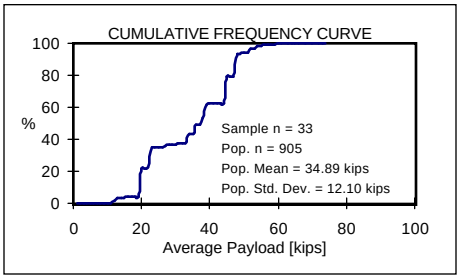
LOW BOY PLATFORM



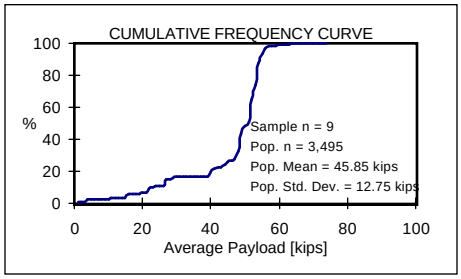
BASIC PLATFORM



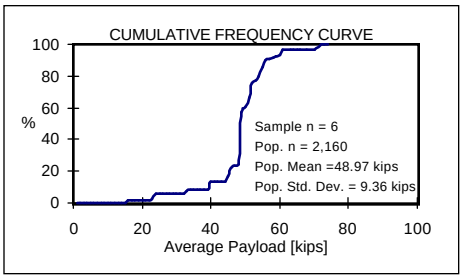
BASIC ENCLOSED VAN



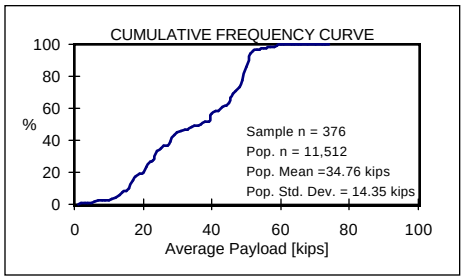
POLE LOGGING TRUCK



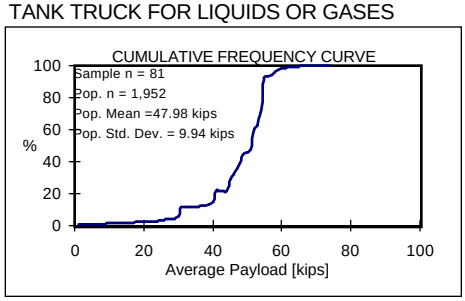
GRAIN BODIES



DUMP TRUCK

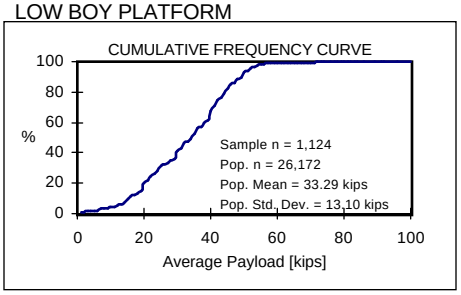


TANK TRUCK FOR LIQUIDS OR GASES

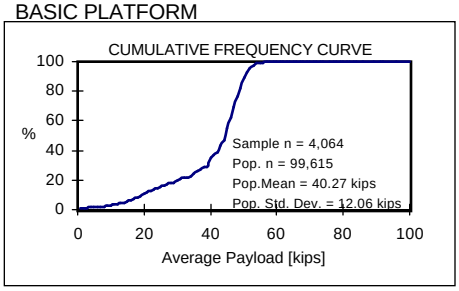


VEHICLE TYPE: 3-S2
AVERAGE PAYLOAD

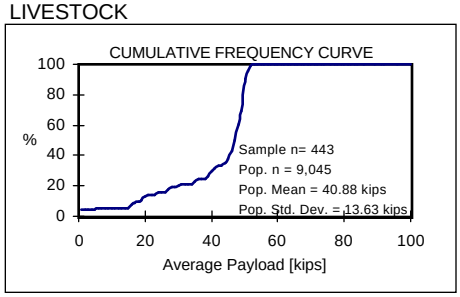
LOW BOY PLATFORM



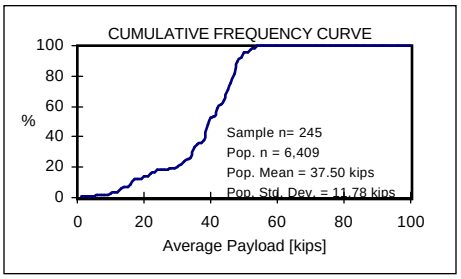
BASIC PLATFORM



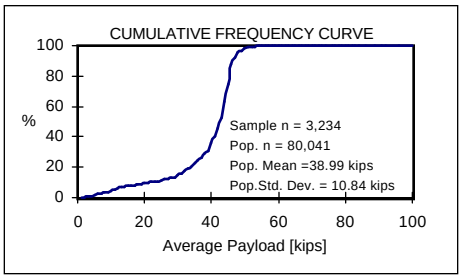
LIVESTOCK



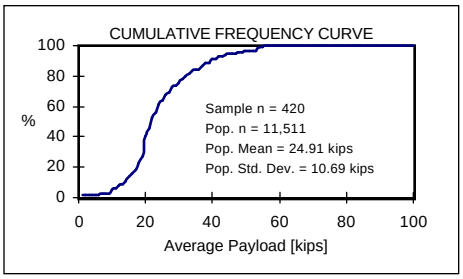
INSULATED NON-REFRIGERATED



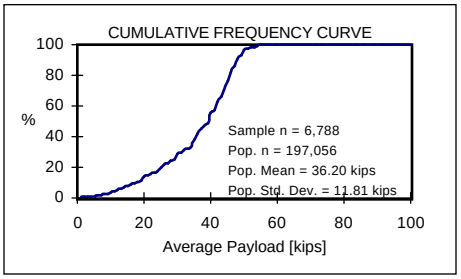
INSULATED REFRIGERATED



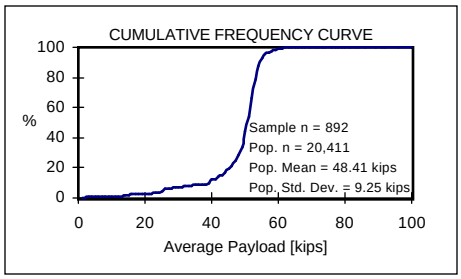
DROP FRAME VAN



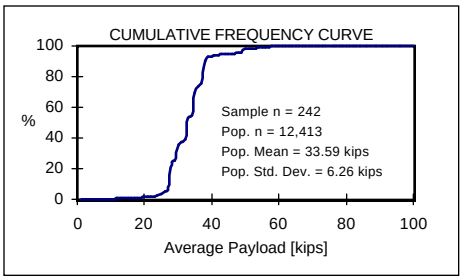
BASIC ENCLOSED VAN



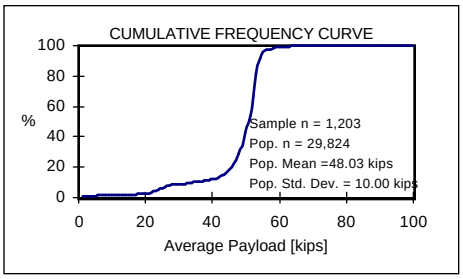
POLE LOGGING TRUCK



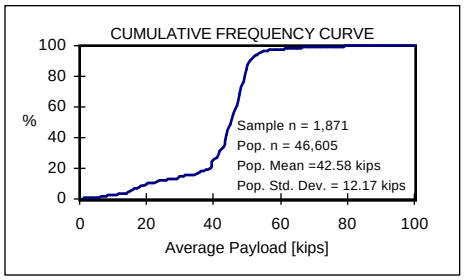
AUTOMOBILE TRANSPORT



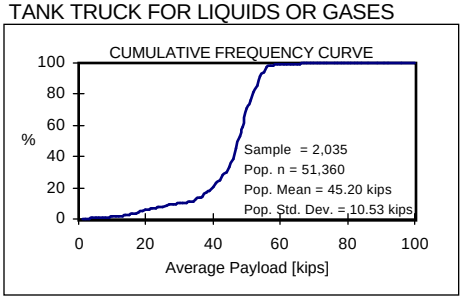
GRAIN BODIES



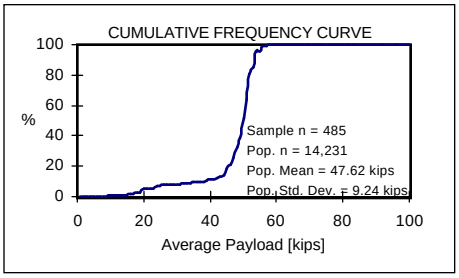
DUMP TRUCK



TANK TRUCK FOR LIQUIDS OR GASES

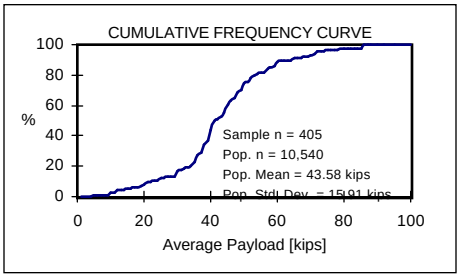


TANK TRUCK FOR DRY BULK

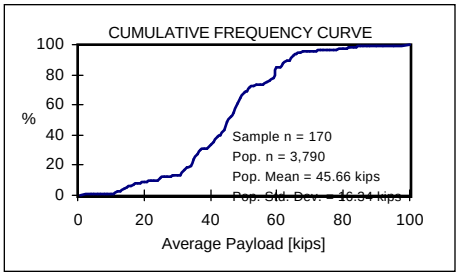


VEHICLE TYPE: 3-S3
AVERAGE PAYLOAD

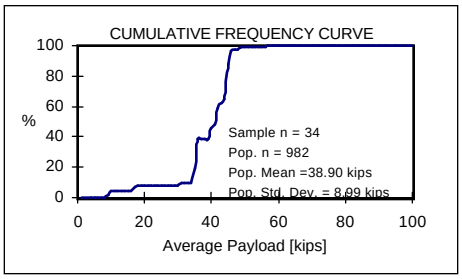
LOW BOY PLATFORM



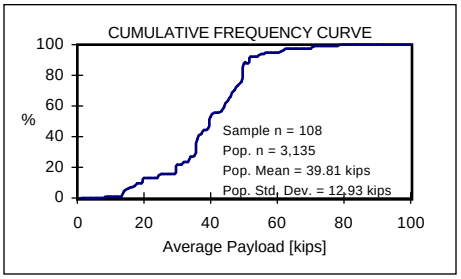
BASIC PLATFORM



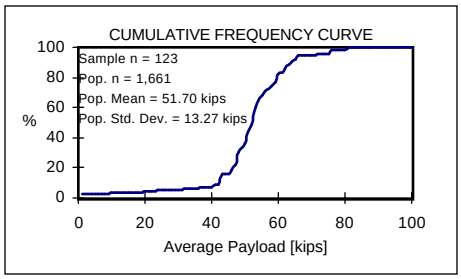
INSULATED REFRIGERATED



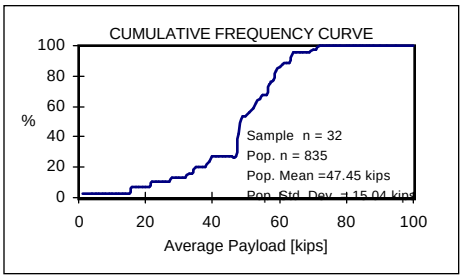
BASIC ENCLOSED VAN



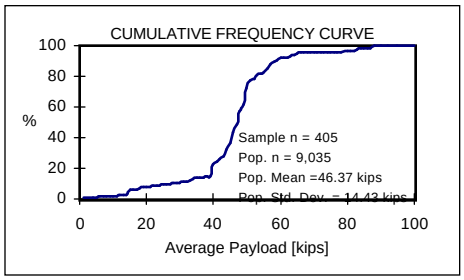
POLE LOGGING TRUCK



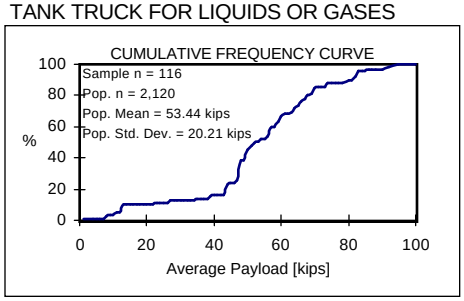
GRAIN BODIES



DUMP TRUCK

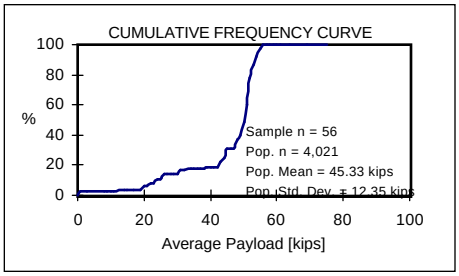


TANK TRUCK FOR LIQUIDS OR GASES

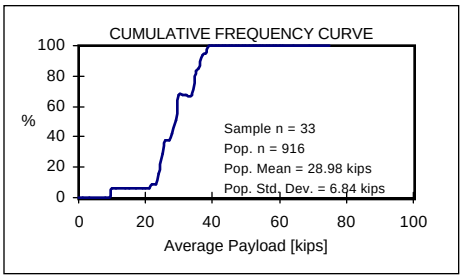


VEHICLE TYPE: STAA (2-S1-2)
AVERAGE PAYLOAD

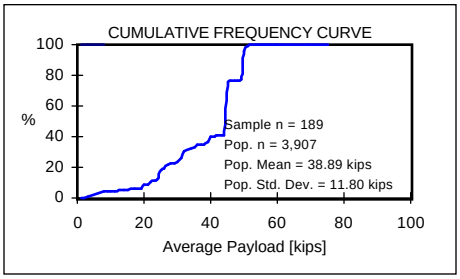
BASIC PLATFORM



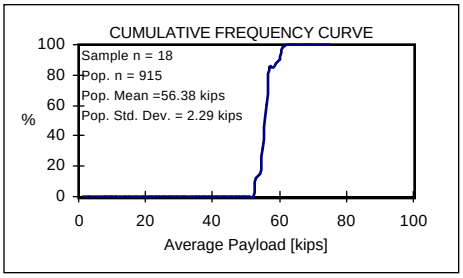
DROP FRAME VAN



BASIC ENCLOSED VAN

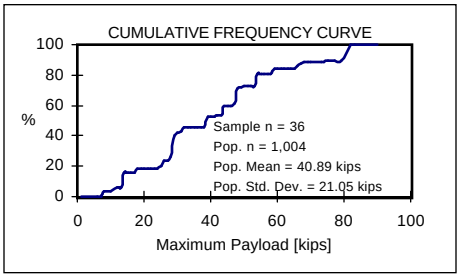


GRAIN BODIES

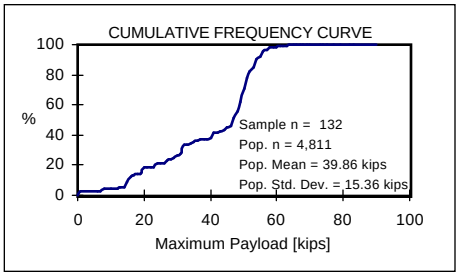


VEHICLE TYPE: 3+2
MAXIMUM PAYLOAD

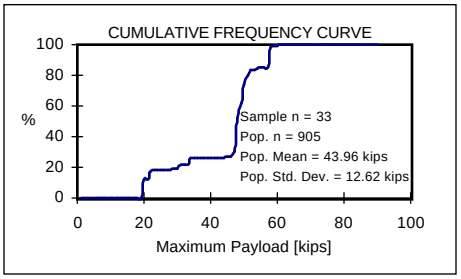
LOW BOY PLATFORM



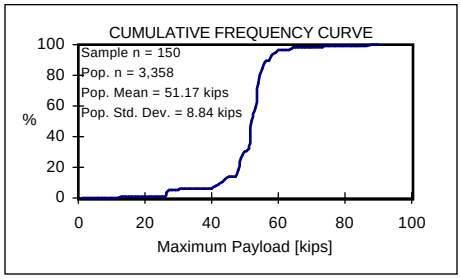
BASIC PLATFORM



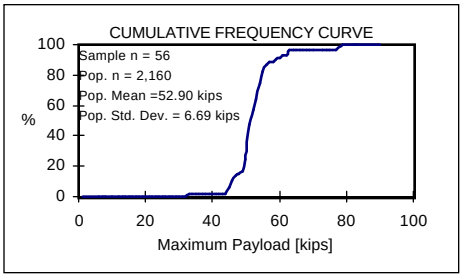
BASIC ENCLOSED VAN



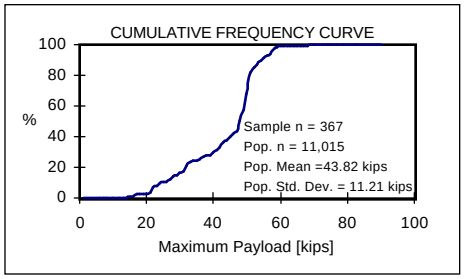
POLE LOGGING TRUCK



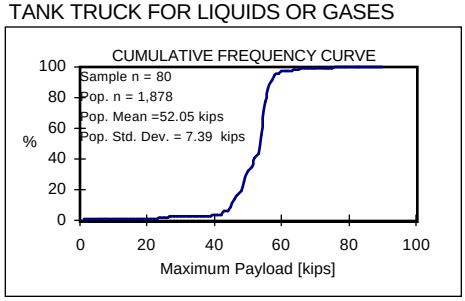
GRAIN BODIES



DUMP TRUCK

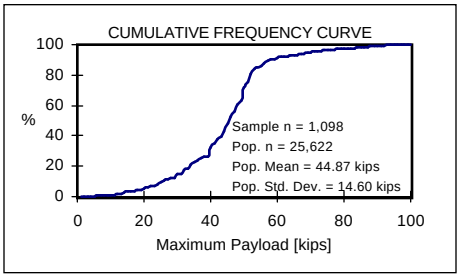


TANK TRUCK FOR LIQUIDS OR GASES

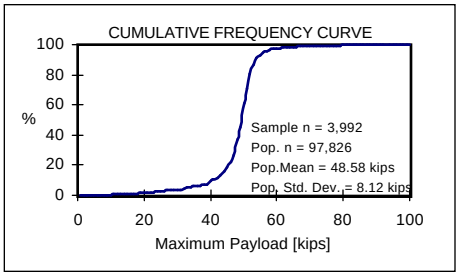


VEHICLE TYPE: 3-S2
MAXIMUM PAYLOAD

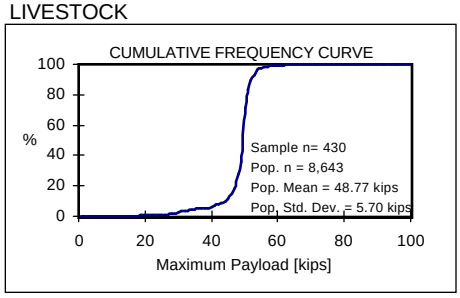
LOW BOY PLATFORM



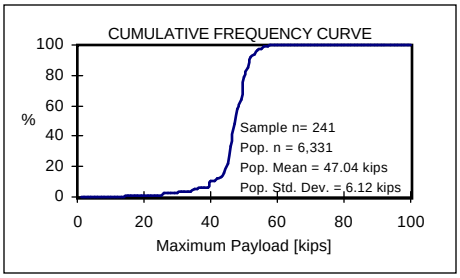
BASIC PLATFORM



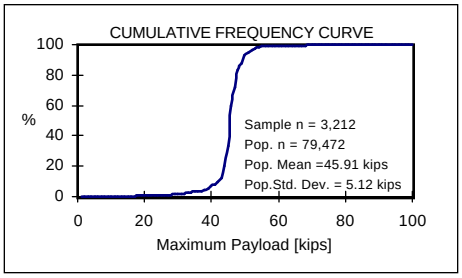
LIVESTOCK



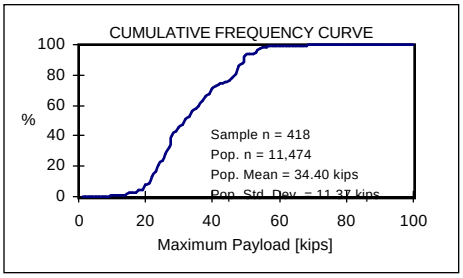
INSULATED NON-REFRIGERATED



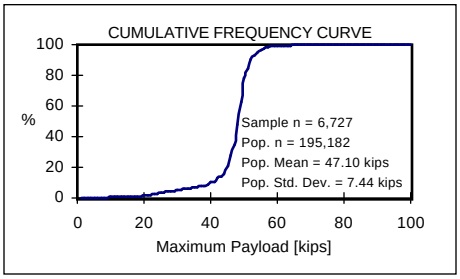
INSULATED REFRIGERATED



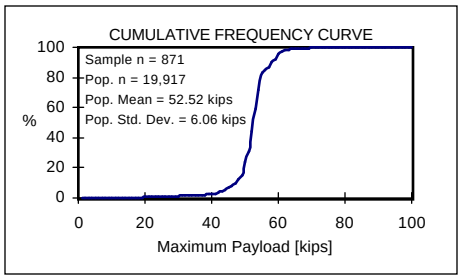
DROP FRAME VAN



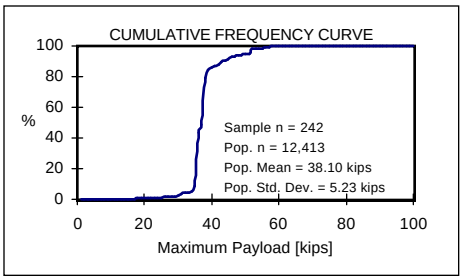
BASIC ENCLOSED VAN



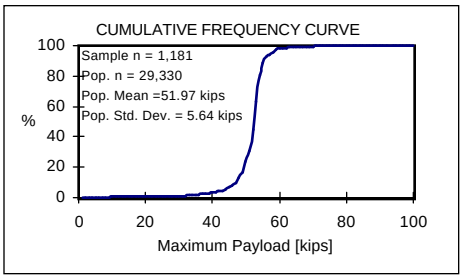
POLE LOGGING TRUCK



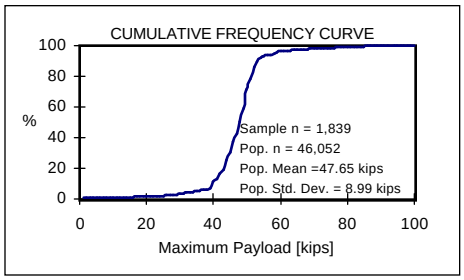
AUTOMOBILE TRANSPORT



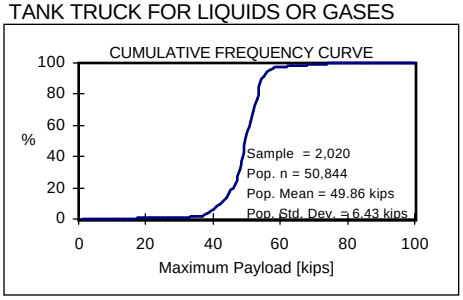
GRAIN BODIES



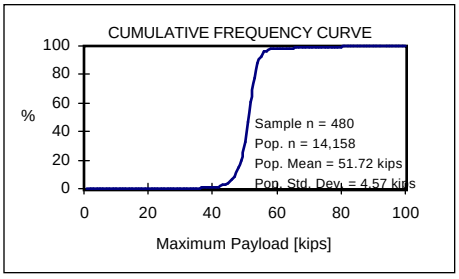
DUMP TRUCK



TANK TRUCK FOR LIQUIDS OR GASES

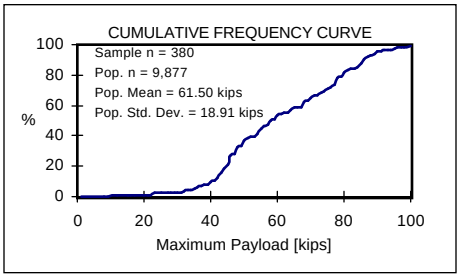


TANK TRUCK FOR DRY BULK

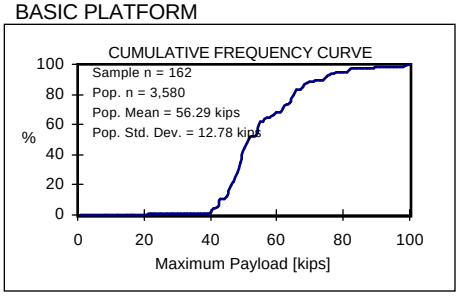


VEHICLE TYPE: 3-S3
MAXIMUM PAYLOAD

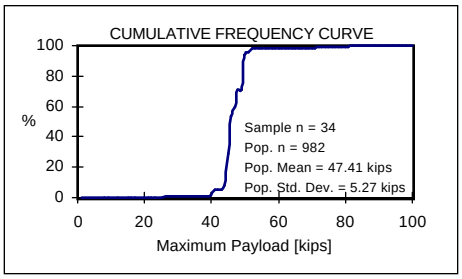
LOW BOY PLATFORM



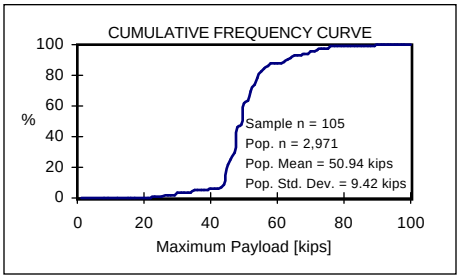
BASIC PLATFORM



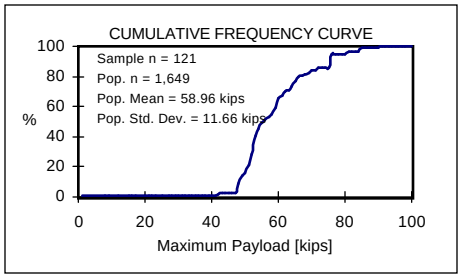
INSULATED REFRIGERATED



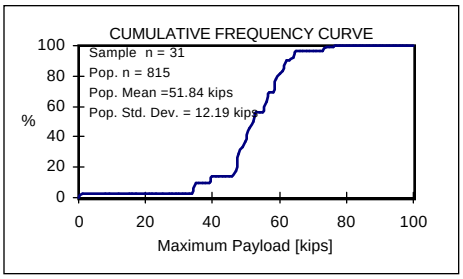
BASIC ENCLOSED VAN



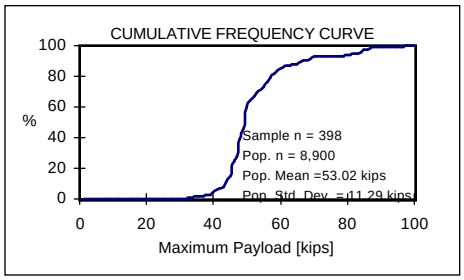
POLE LOGGING TRUCK



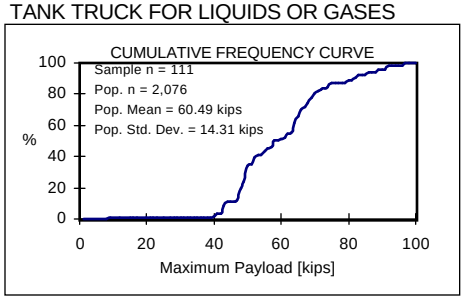
GRAIN BODIES



DUMP TRUCK

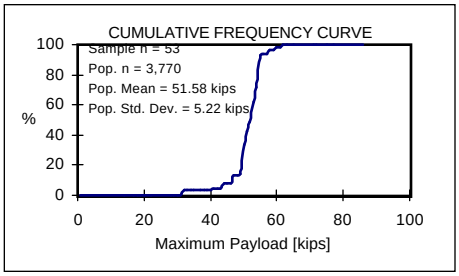


TANK TRUCK FOR LIQUIDS OR GASES

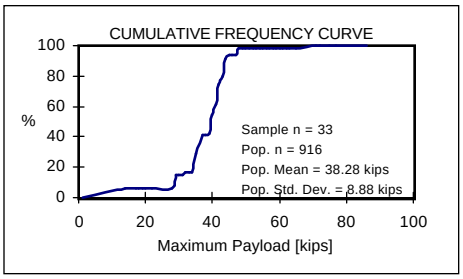


VEHICLE TYPE: STAA (2-S1-2)
MAXIMUM PAYLOAD

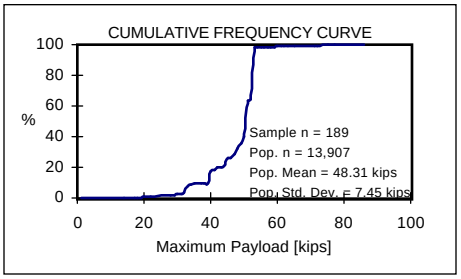
BASIC PLATFORM



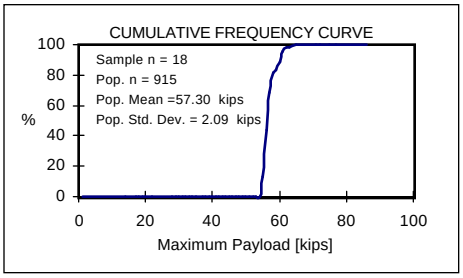
DROP FRAME VAN



BASIC ENCLOSED VAN

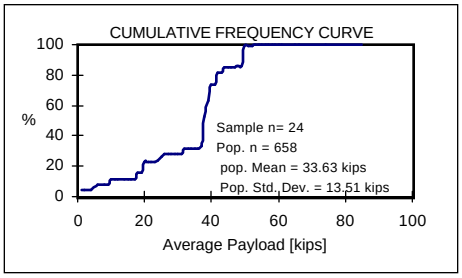


GRAIN BODIES

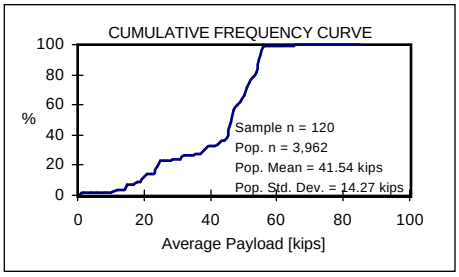


VEHICLE TYPE: 3+2
AVERAGE PAYLOAD

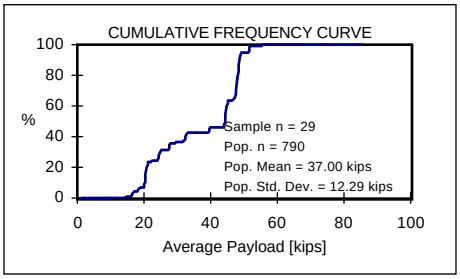
LOW BOY PLATFORM



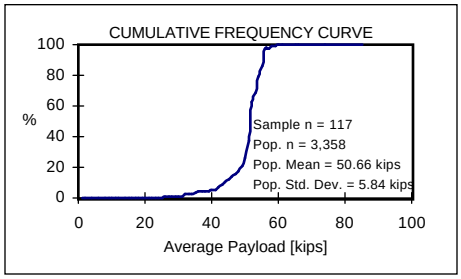
BASIC PLATFORM



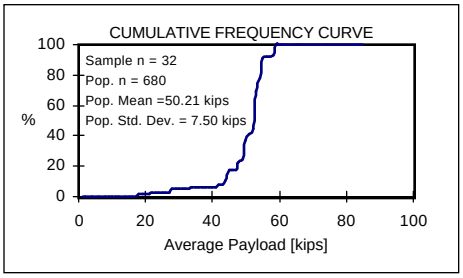
BASIC ENCLOSED VAN



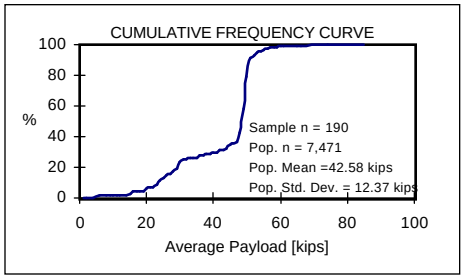
POLE LOGGING TRUCK



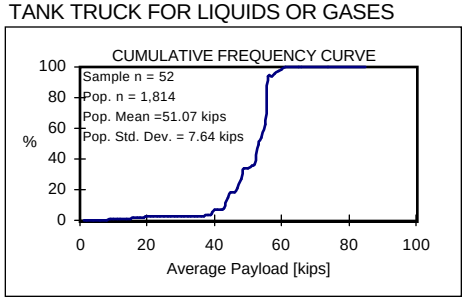
GRAIN BODIES



DUMP TRUCK

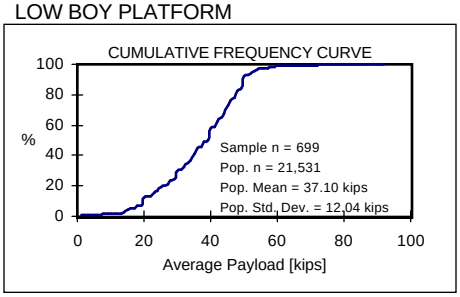


TANK TRUCK FOR LIQUIDS OR GASES

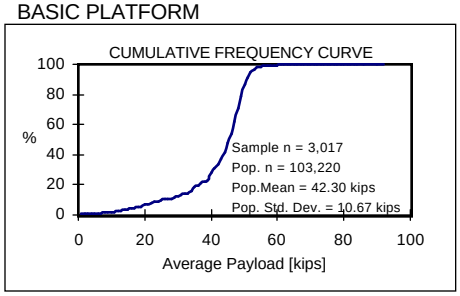


VEHICLE TYPE: 3-S2
AVERAGE PAYLOAD

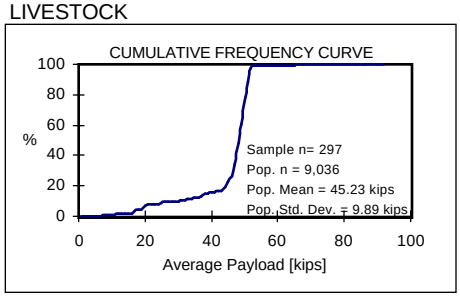
LOW BOY PLATFORM



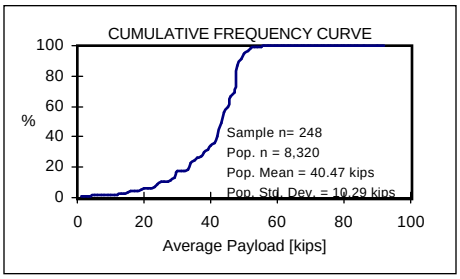
BASIC PLATFORM



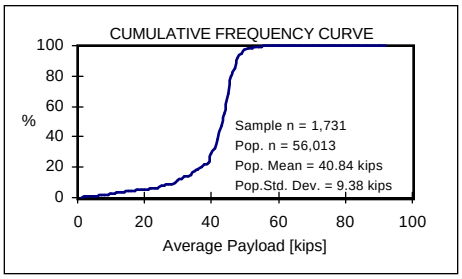
LIVESTOCK



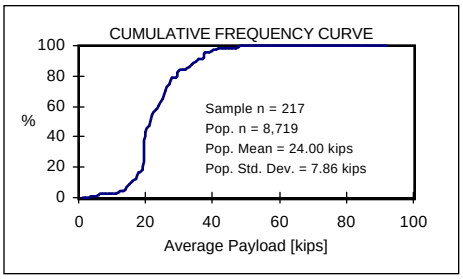
INSULATED NON-REFRIGERATED



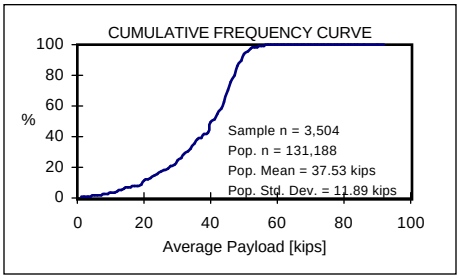
INSULATED REFRIGERATED



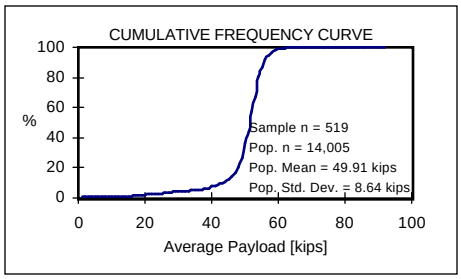
DROP FRAME VAN



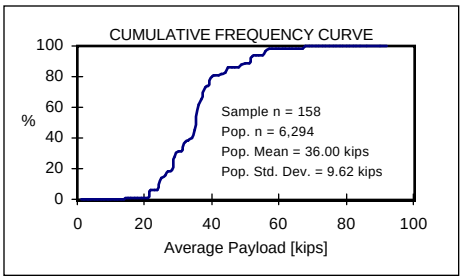
BASIC ENCLOSED VAN



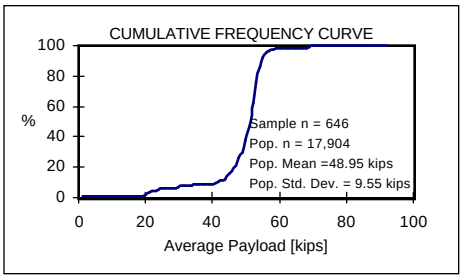
POLE LOGGING TRUCK



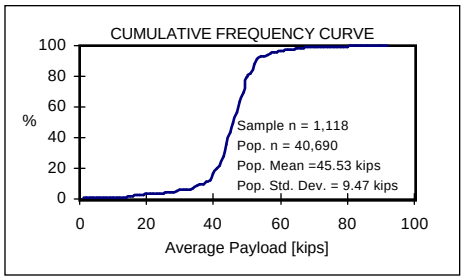
AUTOMOBILE TRANSPORT



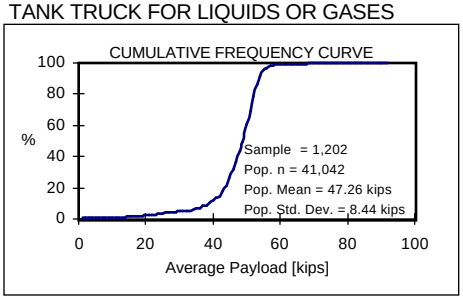
GRAIN BODIES



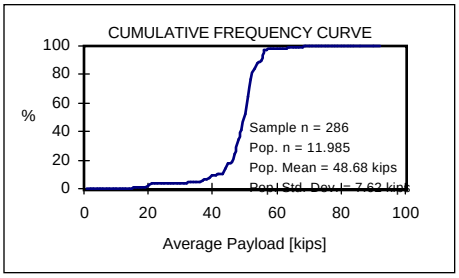
DUMP TRUCK



TANK TRUCK FOR LIQUIDS OR GASES

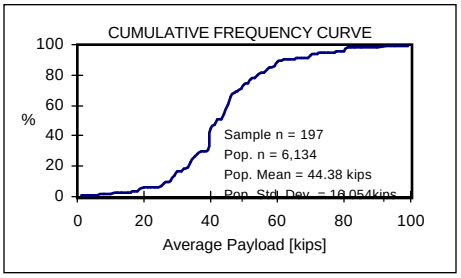


TANK TRUCK FOR DRY BULK

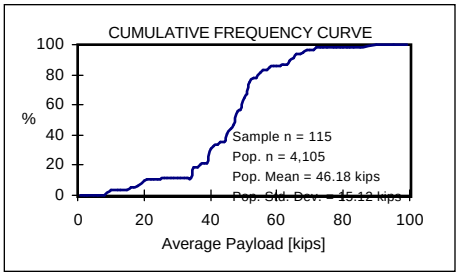


VEHICLE TYPE: 3-S3
AVERAGE PAYLOAD

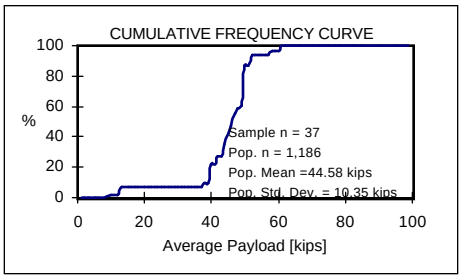
LOW BOY PLATFORM



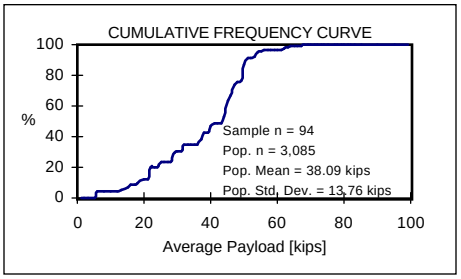
BASIC PLATFORM



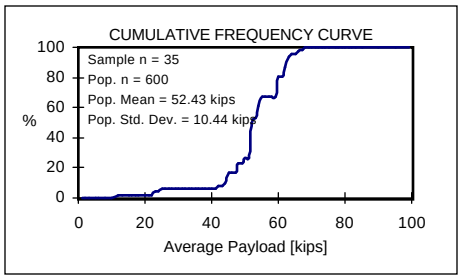
INSULATED REFRIGERATED



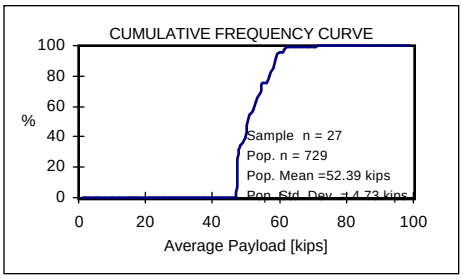
BASIC ENCLOSED VAN



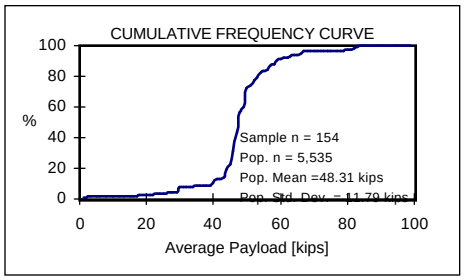
POLE LOGGING TRUCK



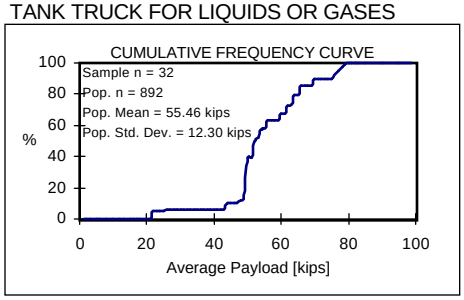
GRAIN BODIES



DUMP TRUCK

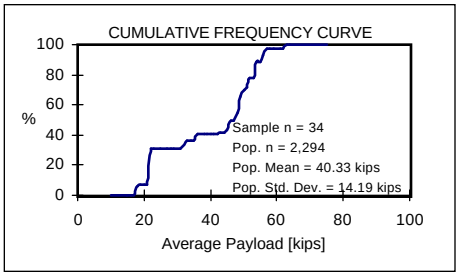


TANK TRUCK FOR LIQUIDS OR GASES

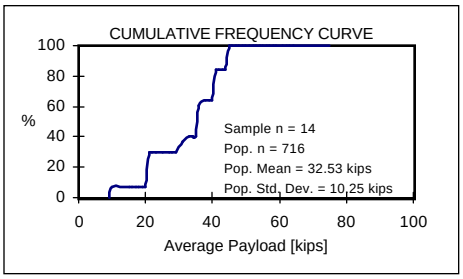


VEHICLE TYPE: STAA (2-S1-2)
AVERAGE PAYLOAD

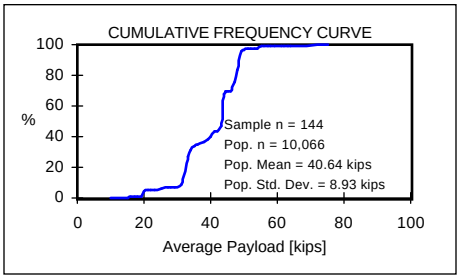
BASIC PLATFORM



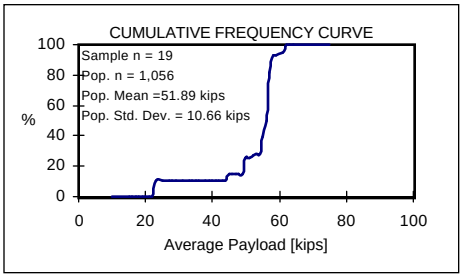
DROP FRAME VAN



BASIC ENCLOSED VAN

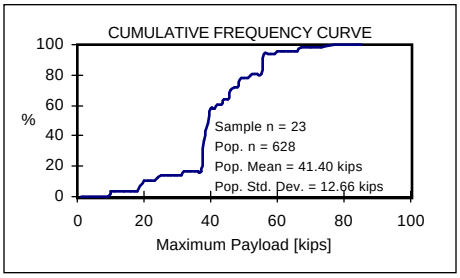


GRAIN BODIES

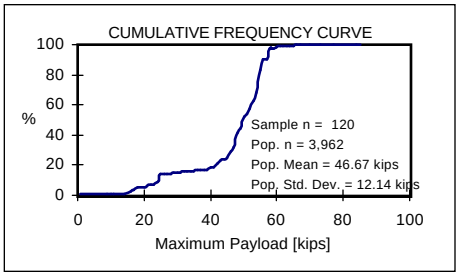


VEHICLE TYPE: 3+2
MAXIMUM PAYLOAD

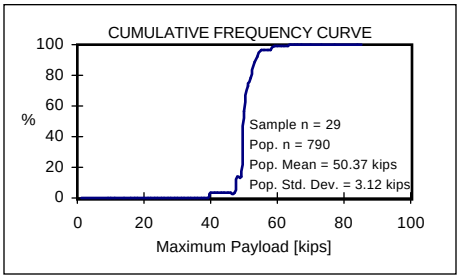
LOW BOY PLATFORM



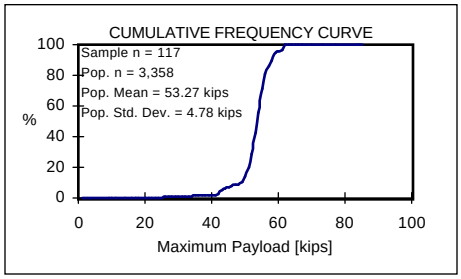
BASIC PLATFORM



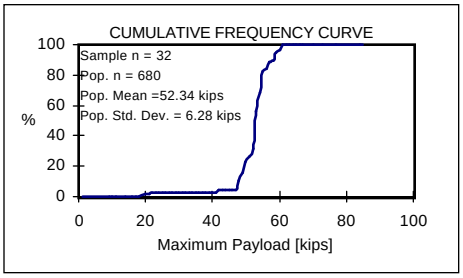
BASIC ENCLOSED VAN



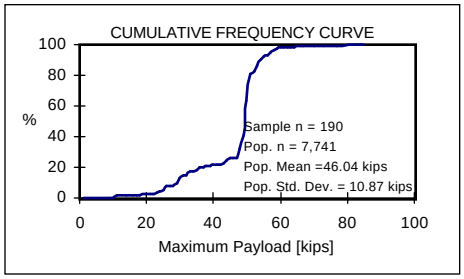
POLE LOGGING TRUCK



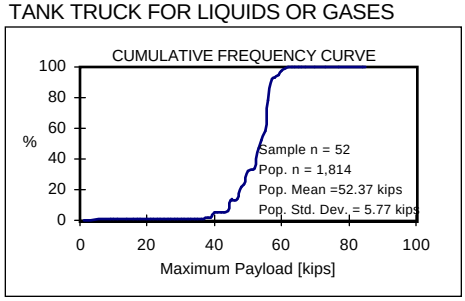
GRAIN BODIES



DUMP TRUCK

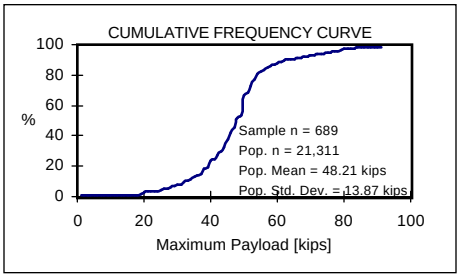


TANK TRUCK FOR LIQUIDS OR GASES

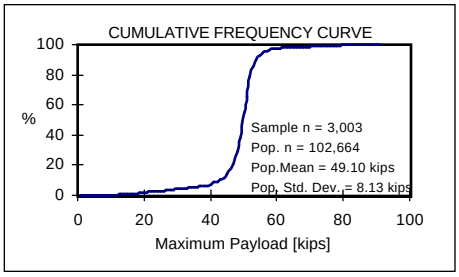


VEHICLE TYPE: 3-S2
MAXIMUM PAYLOAD

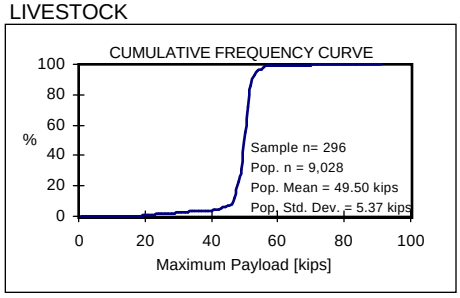
LOW BOY PLATFORM



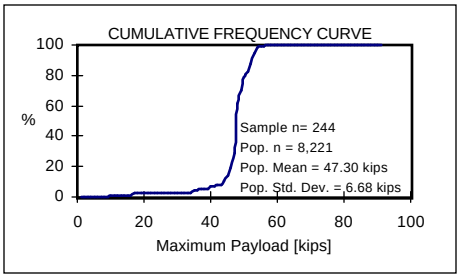
BASIC PLATFORM



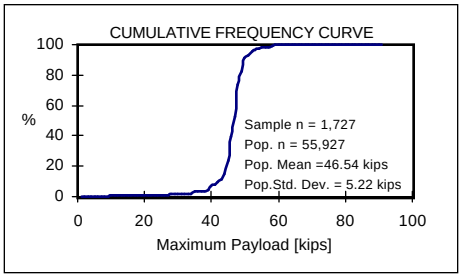
LIVESTOCK



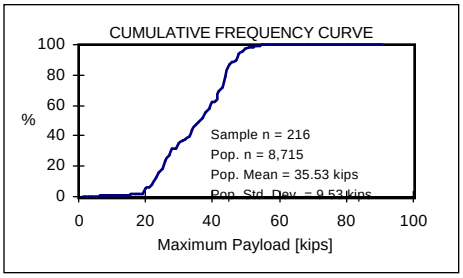
INSULATED NON-REFRIGERATED



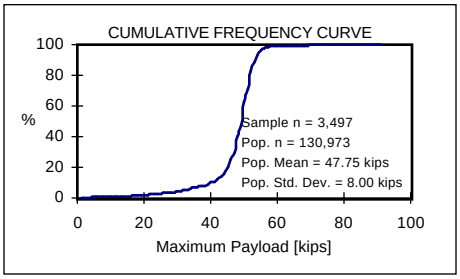
INSULATED REFRIGERATED



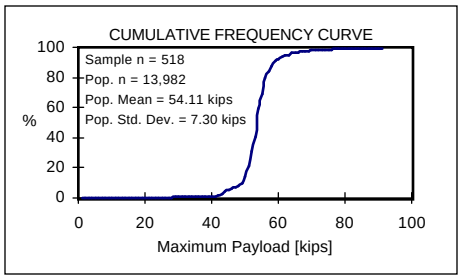
DROP FRAME VAN



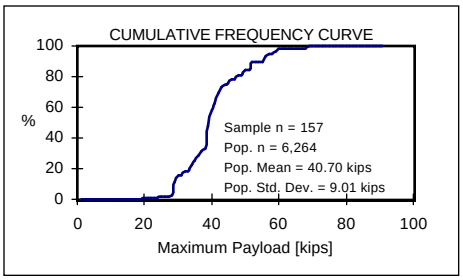
BASIC ENCLOSED VAN



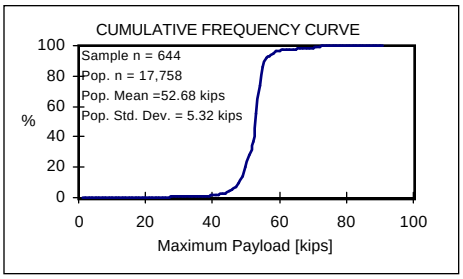
POLE LOGGING TRUCK



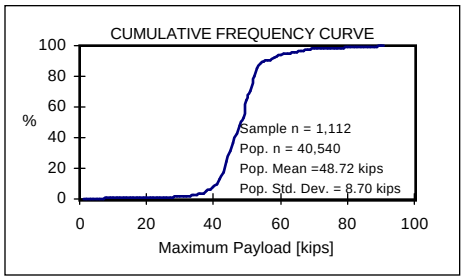
AUTOMOBILE TRANSPORT



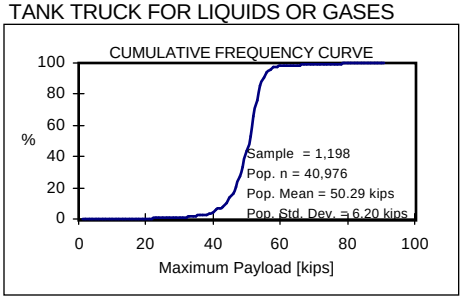
GRAIN BODIES



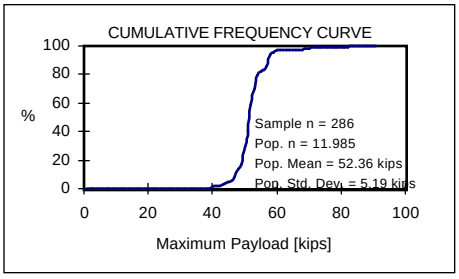
DUMP TRUCK



TANK TRUCK FOR LIQUIDS OR GASES

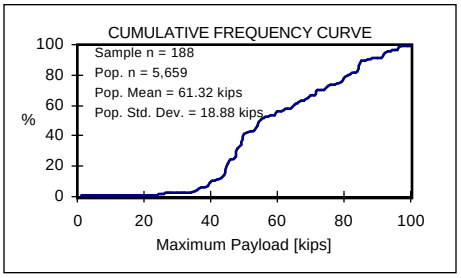


TANK TRUCK FOR DRY BULK

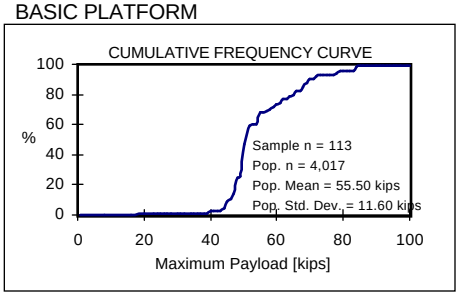


VEHICLE TYPE: 3-S3
MAXIMUM PAYLOAD

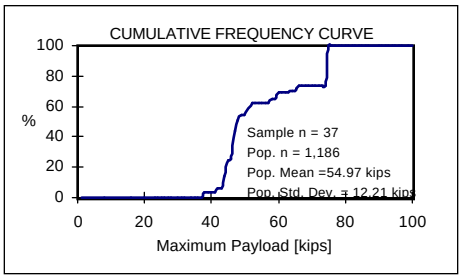
LOW BOY PLATFORM



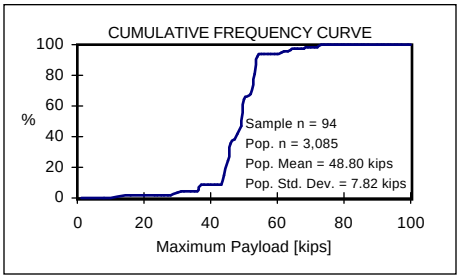
BASIC PLATFORM



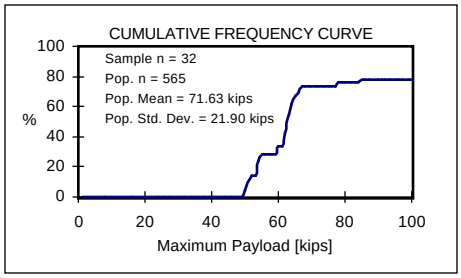
INSULATED REFRIGERATED



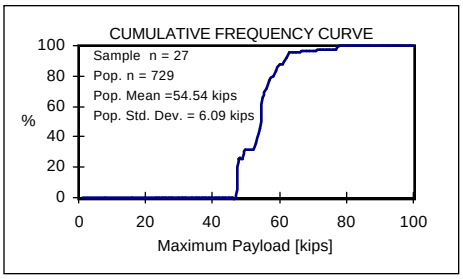
BASIC ENCLOSED VAN



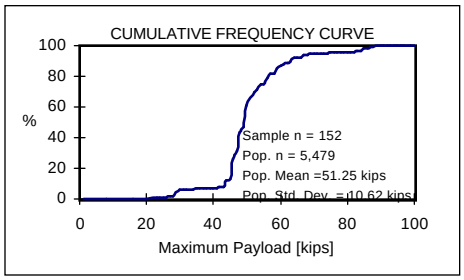
POLE LOGGING TRUCK



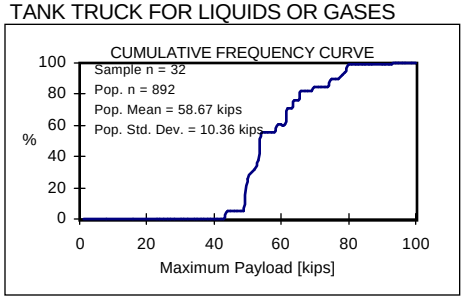
GRAIN BODIES



DUMP TRUCK

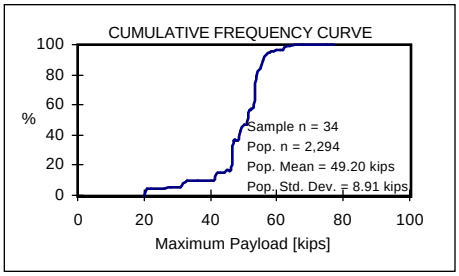


TANK TRUCK FOR LIQUIDS OR GASES

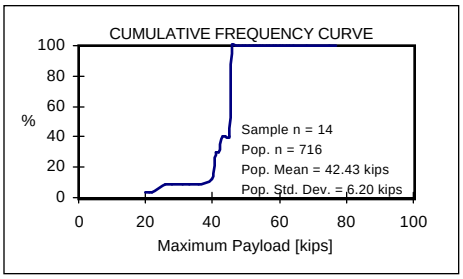


VEHICLE TYPE: STAA (2-S1-2)
MAXIMUM PAYLOAD

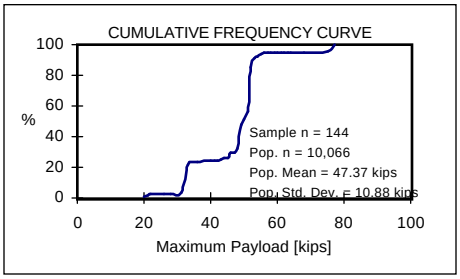
BASIC PLATFORM



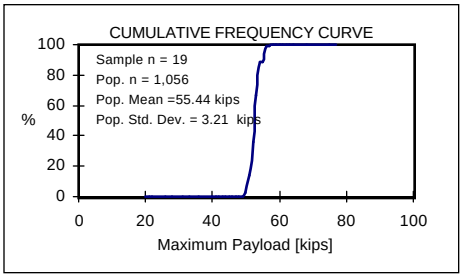
DROP FRAME VAN



BASIC ENCLOSED VAN



GRAIN BODIES



Appendix G

Regional Distributions of Weights, Dimensions, and Operating Characteristics

Regional Comparison of Mean Tare (Empty) Weights
by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central		North East		South Atlantic		South Gulf		West	
		1987	1992	1987	1992	1987	1992	1987	1992	1987	1992
3+2	Low Boy	18,738	31,023	17,544	25,377	19,278	28,952	21,866	28,790	18,598	32,534
3+2	Basic Platform	21,126	26,588	12,412	39,552	23,764	27,521	20,629	29,429	20,705	28,033
3+2	Basic Enclosed	21,398	31,789	18,000	27,783	20,849	29,718	23,231	32,229	15,835	26,374
3+2	Pole Logging	29,516	33,913	4,000	40,677	24,047	27,466	23,732	26,601	24,027	26,637
3+2	Grain Bodies	16,912	25,385	.	30,400	.	28,000	27,618	26,220	26,648	28,355
3+2	Dump Truck	25,023	28,690	22,501	26,463	18,363	23,025	24,793	27,608	26,373	29,120
3+2	Tank-Liquid	25,424	30,697	22,056	33,432	.	27,794	27,901	26,750	24,868	27,694
3-S2	Low Boy	24,378	29,802	24,218	31,316	24,559	30,779	23,417	30,438	26,647	31,104
3-S2	Basic Platform	25,942	29,832	26,656	30,457	24,079	29,940	26,378	30,557	25,182	29,077
3-S2	Livestock	27,441	29,933	29,149	30,876	28,246	33,474	26,985	30,261	26,612	30,817
3-S2	Ins. Non-ref	26,744	32,081	24,853	30,815	20,933	32,143	26,638	31,967	29,121	29,933
3-S2	Ins. Ref	28,834	33,336	29,274	33,284	28,389	33,336	30,147	33,452	27,729	32,903
3-S2	Drop Frame	26,243	35,243	27,772	33,279	23,280	33,334	27,482	35,264	31,360	33,967
3-S2	Basic Enclosed	24,013	30,804	24,068	30,110	24,223	30,084	26,023	30,517	24,057	30,068
3-S2	Pole Logging	27,527	29,804	26,837	30,158	26,918	27,816	26,404	27,329	25,180	26,693
3-S2	Auto Transport	19,770	42,763	26,259	36,389	25,592	33,825	29,645	38,644	24,003	35,616
3-S2	Grain Bodies	25,025	27,114	27,335	29,598	24,018	28,779	25,889	27,922	25,709	27,897
3-S2	Dump Truck	27,266	29,636	28,045	31,096	27,003	29,616	27,512	30,058	27,647	31,313
3-S2	Tank-Liquid	25,501	29,853	24,940	30,025	25,484	29,356	26,599	30,765	26,015	30,619
3-S2	Tank-Dry	27,105	27,985	25,233	28,816	25,756	29,299	27,060	28,646	26,554	28,639
3-S3	Low Boy	26,273	34,559	20,016	38,663	23,307	38,451	17,422	36,575	27,804	36,440
3-S3	Basic Platform	24,863	36,212	25,259	33,813	14,664	29,893	20,874	29,211	26,271	32,772
3-S3	Ins. Ref	23,807	34,775	31,444	34,875	29,057	31,354	32,686	31,402	26,222	34,464
3-S3	Basic Enclosed	18,934	32,881	26,677	32,727	26,098	30,637	25,030	30,791	23,249	29,124
3-S3	Pole Logging	15,750	33,499	34,835	38,006	.	29,689	27,329	28,146	23,390	27,981
3-S3	Grain Bodies	26,220	31,338	33,000	.	19,500	24,000	26,000	27,364	13,944	30,197
3-S3	Dump Truck	24,902	32,316	24,925	33,726	28,068	32,870	27,157	32,598	31,831	31,773
3-S3	Tank-Liquid	23,459	35,587	13,116	32,457	23,996	29,844	3,894	30,162	25,846	33,102
2-S1-2	Basic Platform	26,106	20,600	.	32,150	.	.	25,500	.	25,936	27,500
2-S1-2	Drop Frame	32,219	31,652	.	32,829	13,379	35,964	4,300	35,357	32,444	39,022
2-S1-2	Basic Enclosed	26,506	27,995	27,848	27,780	27,299	30,287	22,473	31,282	21,072	30,324
2-S1-2	Grain Bodies	24,200	25,194	.	.	.	.	.	.	22,114	23,606

Note: Some cells are based on a very sample of data. Accompanying table gives cell sample sizes.

Sample Size in Regional Comparison of Mean Tare (Empty) Weights
by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central		North East		South Atlantic		South Gulf		West	
		1987	1992	1987	1992	1987	1992	1987	1992	1987	1992
3+2	Low Boy	7	8	6	3	18	5	14	10	8	13
3+2	Basic Platform	27	12	15	10	13	9	39	30	94	78
3+2	Basic Enclosed	15	4	1	4	2	6	14	14	10	5
3+2	Pole Logging	2	10	1	4	13	9	20	39	105	96
3+2	Grain Bodies	18	22	.	1	.	1	5	16	16	16
3+2	Dump Truck	41	49	30	60	16	8	28	29	138	230
3+2	Tank-Liquid	14	6	3	9	.	6	7	2	41	58
3-S2	Low Boy	235	260	200	225	187	207	140	148	234	286
3-S2	Basic Platform	1,020	1,004	555	548	595	637	684	750	841	1,125
3-S2	Livestock	170	200	7	13	18	33	59	49	78	148
3-S2	Ins. Non-ref	132	98	36	39	48	43	40	31	66	34
3-S2	Ins. Ref	848	1,130	214	403	329	487	333	404	363	810
3-S2	Drop Frame	150	154	60	87	39	47	42	55	30	77
3-S2	Basic Enclosed	1,522	2,402	845	1,279	866	1,249	1,143	1,260	451	598
3-S2	Pole Logging	13	46	25	39	116	242	128	247	297	318
3-S2	Auto Transport	73	118	30	20	66	27	40	44	23	33
3-S2	Grain Bodies	418	707	13	19	25	76	137	223	133	178
3-S2	Dump Truck	215	295	225	322	193	287	271	337	416	631
3-S2	Tank-Liquid	397	500	284	462	272	338	299	426	228	310
3-S2	Tank-Dry	85	134	54	71	82	120	59	102	52	58
3-S3	Low Boy	99	108	44	55	44	45	61	88	60	112
3-S3	Basic Platform	68	66	27	62	18	16	27	11	34	22
3-S3	Ins. Ref	12	9	6	4	9	5	3	7	19	9
3-S3	Basic Enclosed	29	33	19	21	26	22	31	13	28	19
3-S3	Pole Logging	2	10	32	82	.	8	3	5	3	19
3-S3	Grain Bodies	18	20	1	.	1	2	1	2	9	8
3-S3	Dump Truck	79	167	37	64	29	67	36	60	23	48
3-S3	Tank-Liquid	22	22	7	28	8	6	2	15	17	45
2-S1-2	Basic Platform	2	2	.	1	.	.	1	.	33	53
2-S1-2	Drop Frame	10	7	.	6	.	10	1	3	4	7
2-S1-2	Basic Enclosed	76	61	17	14	12	22	25	37	81	55
2-S1-2	Grain Bodies	3	7	.	.	.	.	.	.	19	11

Regional Comparison of Mean Average Loaded Weights
by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central		North East		South Atlantic		South Gulf		West	
		1987	1992	1987	1992	1987	1992	1987	1992	1987	1992
3+2	Low Boy	51,467	50,852	60,776	68,047	60,430	53,918	46,989	55,527	40,744	64,365
3+2	Basic Platform	45,714	54,474	40,394	69,155	53,951	49,337	55,354	60,762	63,163	58,634
3+2	Basic Enclosed	59,905	70,396	80,000	68,272	64,971	66,234	60,931	67,134	48,360	45,328
3+2	Pole Logging	84,671	73,681	24,000	87,696	73,661	57,108	76,846	66,225	75,570	75,929
3+2	Grain Bodies	52,973	61,243	.	86,000	.	60,000	78,763	64,503	77,256	71,342
3+2	Dump Truck	62,091	55,796	48,462	52,601	41,721	42,985	66,291	63,320	69,460	63,919
3+2	Tank-Liquid	59,970	63,269	55,285	66,559	.	57,217	73,766	76,335	79,123	75,188
3-S2	Low Boy	62,148	60,392	67,957	67,181	62,345	61,599	66,411	60,190	66,557	64,295
3-S2	Basic Platform	69,956	69,706	71,279	68,355	68,625	68,685	70,022	69,682	69,238	65,617
3-S2	Livestock	71,718	69,452	77,091	71,856	73,097	73,515	72,617	69,827	72,222	73,016
3-S2	Ins. Non-ref	68,687	69,961	65,565	67,801	70,494	69,119	63,149	63,722	73,128	72,499
3-S2	Ins. Ref	73,319	72,045	69,814	69,678	71,889	71,541	72,201	71,108	71,468	71,119
3-S2	Drop Frame	57,883	57,411	58,917	57,861	57,462	55,056	55,808	58,183	58,843	58,894
3-S2	Basic Enclosed	65,860	65,278	65,187	65,235	64,620	66,563	64,732	66,172	64,320	64,508
3-S2	Pole Logging	77,967	73,336	75,970	72,539	72,804	74,160	76,943	75,211	76,210	76,783
3-S2	Auto Transport	70,374	73,684	67,662	65,801	67,746	71,169	66,786	71,031	69,455	73,786
3-S2	Grain Bodies	74,822	74,769	71,548	74,697	70,777	75,232	71,196	73,296	77,976	75,426
3-S2	Dump Truck	72,243	70,447	77,043	73,072	72,029	70,654	76,326	76,250	72,749	71,123
3-S2	Tank-Liquid	75,069	74,319	76,620	74,373	74,899	74,239	74,911	73,803	75,261	73,873
3-S2	Tank-Dry	75,662	76,253	77,150	73,479	74,833	74,699	77,252	72,137	82,847	77,833
3-S3	Low Boy	72,300	77,861	95,585	81,360	75,823	75,110	80,742	77,360	76,648	80,975
3-S3	Basic Platform	79,680	77,750	77,664	79,750	62,414	63,911	61,438	59,774	75,066	74,418
3-S3	Ins. Ref	62,291	76,342	64,887	55,506	75,291	75,399	78,628	71,169	71,662	74,755
3-S3	Basic Enclosed	60,996	63,023	70,065	62,435	70,610	65,852	60,753	68,019	64,491	64,450
3-S3	Pole Logging	82,500	86,989	92,467	91,447	.	79,056	79,148	73,302	82,450	81,562
3-S3	Grain Bodies	79,925	75,689	80,000	76,278	60,000	72,000	75,000	74,338	83,648	93,568
3-S3	Dump Truck	85,522	76,868	83,201	79,687	78,299	73,548	83,125	82,239	74,506	74,416
3-S3	Tank-Liquid	98,821	89,818	80,511	84,954	67,549	71,108	90,815	75,750	91,353	86,863
2-S1-2	Basic Platform	74,414	75,000	.	58,435	.	.	43,500	.	68,421	72,452
2-S1-2	Drop Frame	65,124	53,265	.	65,304	68,469	63,285	63,735	49,906	72,588	71,529
2-S1-2	Basic Enclosed	70,064	66,928	73,475	62,759	62,432	67,460	66,228	65,699	67,457	71,988
2-S1-2	Grain Bodies	85,500	83,179	.	.	.	.	.	.	76,388	79,385

Note: Some cells are based on a very sample of data. Accompanying table gives cell sample sizes.

Sample Size in Regional Comparison of Mean Average Loaded Weights
by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central		North East		South Atlantic		South Gulf		West	
		1987	1992	1987	1992	1987	1992	1987	1992	1987	1992
3+2	Low Boy	7	12	6	5	18	10	14	12	8	20
3+2	Basic Platform	27	18	15	15	13	13	39	42	94	98
3+2	Basic Enclosed	15	5	1	5	2	8	14	19	10	8
3+2	Pole Logging	2	13	1	4	13	11	20	46	105	103
3+2	Grain Bodies	18	35	.	1	.	1	5	22	16	19
3+2	Dump Truck	41	66	30	79	16	25	28	41	138	264
3+2	Tank-Liquid	14	8	3	10	.	7	7	4	41	71
3-S2	Low Boy	235	348	200	290	187	269	140	207	234	348
3-S2	Basic Platform	1,020	1,176	555	700	595	759	684	887	841	1,306
3-S2	Livestock	170	213	7	13	19	33	59	57	78	163
3-S2	Ins. Non-ref	132	112	36	47	48	47	40	58	66	180
3-S2	Ins. Ref	848	1,269	214	475	329	565	333	469	363	1,033
3-S2	Drop Frame	150	190	62	105	39	58	42	72	30	88
3-S2	Basic Enclosed	1,522	2,907	845	1,680	866	1,585	1,143	1,675	451	813
3-S2	Pole Logging	13	49	25	42	116	270	128	271	297	326
3-S2	Auto Transport	73	127	30	21	66	30	40	47	23	37
3-S2	Grain Bodies	418	750	13	20	25	81	137	248	133	199
3-S2	Dump Truck	215	310	225	354	193	311	271	359	416	715
3-S2	Tank-Liquid	397	566	284	515	272	390	299	511	228	358
3-S2	Tank-Dry	85	149	54	76	82	125	59	119	52	65
3-S3	Low Boy	100	128	44	73	44	54	61	120	60	141
3-S3	Basic Platform	68	72	27	73	18	19	27	20	34	44
3-S3	Ins. Ref	12	17	6	8	9	7	3	8	19	27
3-S3	Basic Enclosed	29	47	19	40	26	36	31	27	28	49
3-S3	Pole Logging	2	10	32	88	.	10	3	7	3	22
3-S3	Grain Bodies	18	24	1	.	1	2	1	3	9	8
3-S3	Dump Truck	80	179	37	75	29	74	36	72	23	69
3-S3	Tank-Liquid	22	33	7	31	8	7	2	26	17	54
2-S1-2	Basic Platform	2	2	.	6	.	.	1	.	33	56
2-S1-2	Drop Frame	10	12	.	9	11	10	9	8	4	9
2-S1-2	Basic Enclosed	76	71	17	44	12	30	25	58	81	114
2-S1-2	Grain Bodies	3	8	.	.	.	.	.	.	19	11

Regional Comparison of Percent of Trucks Whose Overall Length is 65 Feet or More

by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central		North East		South Atlantic		South Gulf		West	
		1987	1992	1987	1992	1987	1992	1987	1992	1987	1992
3+2	Low Boy	0.00	20.17	0.00	80.07	0.00	0.00	0.00	17.45	9.25	5.56
3+2	Basic Platform	0.00	0.00	4.33	0.77	0.00	0.00	17.29	16.17	24.89	18.54
3+2	Basic Enclosed	41.65	0.00	0.00	42.27	0.00	20.86	24.64	40.69	4.72	23.35
3+2	Pole Logging	0.00	0.00	0.00	0.00	0.00	0.00	1.38	4.52	16.15	19.14
3+2	Grain Bodies	0.00	5.63	.	0.00	.	0.00	0.00	0.00	12.48	24.06
3+2	Dump Truck	4.47	0.28	0.00	0.25	0.00	0.00	15.54	4.81	5.20	5.29
3+2	Tank-Liquid	14.14	0.00	0.00	0.00	.	20.50	0.00	0.00	42.26	30.74
3-S2	Low Boy	6.49	22.53	4.24	8.51	8.22	10.96	12.58	12.72	21.07	16.54
3-S2	Basic Platform	14.04	24.98	7.41	13.53	6.33	10.26	15.71	23.84	20.07	21.57
3-S2	Basic Enclosed	21.11	37.06	9.06	14.69	7.65	22.83	19.32	28.84	29.07	23.99
3-S2	Livestock	14.60	25.07	27.48	22.25	11.67	14.83	37.04	38.90	27.45	23.00
3-S2	Ins. Non-ref	25.45	37.33	2.95	10.00	1.83	19.89	24.60	31.04	56.33	79.22
3-S2	Ins. Ref	29.15	38.60	9.23	23.31	15.13	30.80	19.21	39.25	28.14	39.04
3-S2	Drop Frame	17.60	31.79	22.77	13.37	26.20	31.23	23.74	26.90	27.62	41.44
3-S2	Basic Enclosed	1.55	0.00	1.58	9.39	5.65	6.84	8.09	9.65	16.78	7.95
3-S2	Pole Logging	1.55	0.00	1.58	9.39	5.65	6.84	8.09	9.65	16.78	7.95
3-S2	Auto Transport	79.77	94.32	16.80	63.09	28.72	79.64	79.72	93.23	92.57	93.10
3-S2	Grain Bodies	4.78	5.86	0.00	1.30	3.07	4.33	2.77	8.40	28.84	19.35
3-S2	Dump Truck	0.24	3.23	0.10	1.42	0.91	3.69	0.19	3.05	8.13	7.47
3-S2	Tank-Liquid	2.65	5.87	2.54	4.22	0.84	4.55	6.80	10.58	31.63	9.84
3-S2	Tank-Dry	8.05	7.51	0.22	6.69	0.00	6.53	8.10	9.69	32.97	6.31
3-S3	Low Boy	18.13	27.11	39.90	41.13	12.70	30.48	28.18	40.58	30.07	53.05
3-S3	Basic Platform	15.08	22.12	15.63	12.51	17.05	16.89	0.00	24.37	41.71	38.51
3-S3	Ins. Ref	9.61	76.73	37.16	23.07	10.77	10.29	68.59	40.20	0.90	34.12
3-S3	Basic Enclosed	27.70	45.26	21.72	40.72	10.98	15.53	5.67	21.44	35.92	32.34
3-S3	Pole Logging	0.00	8.04	20.75	17.97	.	4.28	0.00	5.11	40.83	58.31
3-S3	Grain Bodies	12.21	8.13	0.00	0.00	0.00	34.68	0.00	0.00	30.90	50.25
3-S3	Dump Truck	2.39	2.02	0.00	5.68	4.51	12.08	2.54	4.61	17.17	20.50
3-S3	Tank-Liquid	4.94	13.12	.	4.65	0.00	0.00	0.00	13.54	77.04	61.31
2-S1-2	Basic Platform	16.88	0.00	.	100.00	.	.	0.00	.	84.49	56.93
2-S1-2	Drop Frame	70.54	90.69	.	100.00	100.00	100.00	100.00	100.00	100.00	49.68
2-S1-2	Basic Enclosed	78.29	65.75	88.17	93.16	78.79	95.76	43.45	92.91	57.01	99.54
2-S1-2	Grain Bodies	66.67	22.43	.	.	.	.	.	.	60.84	35.07

Note: Some cells are based on a very sample of data. Accompanying table gives cell sample sizes.

Sample Size in Regional Comparison of Percent of Trucks Whose Overall Length is 65 Feet or More

by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central		North East		South Atlantic		South Gulf		West	
		1987	1992	1987	1992	1987	1992	1987	1992	1987	1992
3+2	Low Boy	7	12	6	5	18	11	14	12	8	20
3+2	Basic Platform	27	19	15	18	.	14	5	44	94	102
3+2	Basic Enclosed	15	5	1	6	2	8	14	20	10	10
3+2	Pole Logging	2	13	1	4	13	11	20	46	105	103
3+2	Grain Bodies	18	35	.	1	.	1	5	22	16	19
3+2	Dump Truck	41	67	30	79	16	26	28	41	138	266
3+2	Tank-Liquid	14	8	3	10	.	7	7	4	41	71
3-S2	Low Boy	235	351	200	291	187	273	140	211	234	353
3-S2	Basic Platform	1020	1181	555	701	595	762	684	892	841	1317
3-S2	Livestock	170	213	7	13	19	33	59	58	78	163
3-S2	Ins. Non-ref	132	112	36	47	48	47	40	60	66	180
3-S2	Ins. Ref	848	1273	214	476	329	568	333	470	363	1036
3-S2	Drop Frame	150	190	62	105	39	58	42	72	30	88
3-S2	Basic Enclosed	1522	2912	845	1689	866	1596	1143	1688	451	821
3-S2	Pole Logging	13	49	25	42	116	272	128	272	297	326
3-S2	Auto Transport	73	127	30	21	66	30	40	47	23	37
3-S2	Grain Bodies	418	752	13	20	25	81	137	251	133	200
3-S2	Dump Truck	215	310	225	354	193	313	271	361	416	721
3-S2	Tank-Liquid	397	569	284	516	272	392	299	512	228	361
3-S2	Tank-Dry	85	149	54	76	82	125	59	119	52	65
3-S3	Low Boy	100	128	44	73	44	55	61	121	60	150
3-S3	Basic Platform	68	81	27	73	18	19	27	20	34	44
3-S3	Ins. Ref	12	17	6	.	9	7	3	8	19	28
3-S3	Basic Enclosed	29	47	19	41	26	37	31	27	28	49
3-S3	Pole Logging	2	11	32	88	.	10	3	7	3	22
3-S3	Grain Bodies	18	24	1	3	1	3	1	3	9	8
3-S3	Dump Truck	80	180	37	75	11	74	9	72	4	69
3-S3	Tank-Liquid	22	36	7	31	8	7	2	27	17	57
2-S1-2	Basic Platform	2	2	.	6	.	.	1	.	33	58
2-S1-2	Drop Frame	10	12	.	9	11	10	9	8	4	9
2-S1-2	Basic Enclosed	76	71	17	44	12	30	25	58	81	114
2-S1-2	Grain Bodies	3	8	.	.	.	.	.	.	19	11

Regional Comparison of Percent of Trucks Whose Trailer Width is 102 inches or More

by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central 1987	North Central 1992	North East 1987	North East 1992	South Atlantic 1987	South Atlantic 1992	South Gulf 1987	South Gulf 1992	West 1987	West 1992
3+2	Low Boy	0.00	27.99	0.00	14.18	0.00	0.00	25.69	0.00	14.07	32.10
3+2	Basic Platform	13.75	2.69	8.09	8.76	13.52	3.71	10.34	9.64	0.23	8.12
3+2	Basic Enclosed	69.56	31.94	0.00	50.89	0.00	22.72	24.65	69.89	10.40	56.91
3+2	Pole Logging	0.00	40.75	.	0.00	0.00	10.23	0.00	31.59	0.00	31.27
3+2	Grain Bodies	0.00	25.68	.	0.00	.	.	0.00	16.12	0.00	15.24
3+2	Dump Truck	0.00	15.03	0.00	13.62	0.00	0.00	0.00	17.72	0.51	2.64
3+2	Tank-Liquid	0.00	0.00	0.00	0.00	.	0.00	0.00	0.00	0.00	1.20
3-S2	Low Boy	3.73	17.65	10.67	22.74	11.37	20.14	10.55	14.67	13.96	22.69
3-S2	Basic Platform	10.41	23.54	7.84	13.83	9.15	14.83	7.32	13.90	12.12	16.05
3-S2	Livestock	14.87	37.91	0.00	20.45	0.00	0.00	37.44	55.63	6.90	30.52
3-S2	Ins. Non-ref	48.24	58.60	3.57	21.72	30.04	27.07	60.30	66.02	54.47	73.69
3-S2	Ins. Ref	44.51	62.42	12.22	40.78	26.46	51.57	34.64	55.87	31.06	56.55
3-S2	Drop Frame	55.42	72.50	41.87	65.77	46.58	46.39	35.42	65.81	25.75	47.49
3-S2	Basic Enclosed	51.78	76.50	22.37	40.78	31.16	52.37	36.38	64.30	27.00	47.09
3-S2	Pole Logging	0.00	9.40	7.08	10.65	2.32	8.00	2.33	5.29	5.80	9.97
3-S2	Auto Transport	17.98	84.43	14.40	33.40	7.38	53.31	2.71	44.33	0.70	61.46
3-S2	Grain Bodies	1.14	7.16	0.00	1.30	4.88	3.08	10.41	17.21	0.79	5.96
3-S2	Dump Truck	0.90	12.04	1.35	6.76	0.57	2.92	1.83	20.54	4.41	14.65
3-S2	Tank-Liquid	2.58	9.52	1.59	3.96	5.19	8.48	3.56	10.44	3.43	5.70
3-S2	Tank-Dry	1.28	8.56	0.00	1.61	36.20	4.82	14.62	8.19	0.00	11.85
3-S3	Low Boy	5.85	41.39	18.15	49.39	1.80	43.19	16.04	32.63	13.51	32.23
3-S3	Basic Platform	0.00	21.41	11.06	19.33	17.53	6.33	0.87	39.69	5.81	29.67
3-S3	Ins. Ref	6.54	86.11	0.00	0.00	73.61	29.60	100.00	74.84	73.95	15.85
3-S3	Basic Enclosed	28.96	77.78	58.53	28.91	41.02	37.24	17.58	63.31	37.62	44.06
3-S3	Pole Logging	50.00	34.03	31.53	45.04	.	36.21	0.00	49.39	0.00	38.62
3-S3	Grain Bodies	0.00	2.87	0.00	.	0.00	0.00	.	0.00	0.00	10.12
3-S3	Dump Truck	0.00	9.88	4.36	7.71	0.00	38.07	18.04	13.48	6.71	8.84
3-S3	Tank-Liquid	11.83	11.62	0.00	23.40	0.00	0.00	0.00	8.68	4.33	5.99
2-S1-2	Basic Platform	0.00	100.00	.	82.26	.	.	0.00	.	15.78	13.43
2-S1-2	Drop Frame	48.91	63.01	.	100.00	50.07	100.00	100.00	78.16	100.00	67.80
2-S1-2	Basic Enclosed	78.68	92.30	100.00	59.41	100.00	92.65	82.59	75.63	72.79	92.88
2-S1-2	Grain Bodies	0.00	0.00	.	.	.	.	.	.	0.00	15.22

Note: Some cells are based on a very sample of data. Accompanying table gives cell sample sizes.

Sample Size in Regional Comparison of Percent of Trucks Whose Trailer Width is 102 inches or More

by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central		North East		South Atlantic		South Gulf		West	
		1987	1992	1987	1992	1987	1992	1987	1992	1987	1992
3+2	Low Boy	4	11	3	4	10	9	8	11	5	19
3+2	Basic Platform	13	16	6	13	9	12	19	36	62	91
3+2	Basic Enclosed	7	4	1	6	.	8	5	17	6	8
3+2	Pole Logging	1	11	.	4	5	8	13	34	59	94
3+2	Grain Bodies	9	32	.	1	.	.	2	19	12	19
3+2	Dump Truck	25	57	17	62	6	20	15	31	84	250
3+2	Tank-Liquid	13	7	2	9	.	6	4	2	34	64
3-S2	Low Boy	162	322	120	279	110	251	88	184	153	324
3-S2	Basic Platform	829	1104	447	646	462	697	528	813	668	1248
3-S2	Livestock	138	199	6	13	17	33	47	54	67	152
3-S2	Ins. Non-ref	112	106	33	46	41	43	38	58	61	179
3-S2	Ins. Ref	763	1213	189	459	296	541	298	445	324	989
3-S2	Drop Frame	138	168	52	98	26	54	38	69	29	83
3-S2	Basic Enclosed	1304	2816	684	1587	724	1501	1002	1510	333	775
3-S2	Pole Logging	10	45	13	40	63	238	79	228	208	298
3-S2	Auto Transport	66	125	27	21	61	28	34	47	16	34
3-S2	Grain Bodies	329	671	11	20	19	78	98	220	98	176
3-S2	Dump Truck	165	288	157	326	141	286	185	318	282	671
3-S2	Tank-Liquid	315	525	204	488	185	357	219	436	183	332
3-S2	Tank-Dry	72	137	46	72	69	121	51	109	41	50
3-S3	Low Boy	61	121	21	66	26	48	41	105	37	138
3-S3	Basic Platform	54	77	13	68	12	13	13	11	24	42
3-S3	Ins. Ref	9	17	4	7	6	7	2	8	18	22
3-S3	Basic Enclosed	20	40	11	.	21	33	26	16	22	42
3-S3	Pole Logging	2	11	20	84	.	7	1	5	1	21
3-S3	Grain Bodies	10	21	1	.	1	3	.	2	7	7
3-S3	Dump Truck	56	167	26	69	23	69	20	57	14	45
3-S3	Tank-Liquid	10	34	6	27	11	5	9	22	4	54
2-S1-2	Basic Platform	2	2	.	6	.	.	1	.	31	56
2-S1-2	Drop Frame	4	12	.	9	11	10	9	8	3	9
2-S1-2	Basic Enclosed	74	70	17	44	12	29	25	50	80	114
2-S1-2	Grain Bodies	2	8	.	.	.	.	.	.	17	11

Regional Comparison of the Mean Annual VMT
by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central		North East		South Atlantic		South Gulf		West	
		1987	1992	1987	1992	1987	1992	1987	1992	1987	1992
3+2	Low Boy	4,828	6,481	7,505	52,093	12,993	4,702	19,895	20,193	17,771	14,664
3+2	Basic Platform	19,367	13,071	15,676	10,117	37,821	24,389	28,176	44,029	32,257	36,098
3+2	Basic Enclosed	82,491	68,377	62,608	61,207	83,333	57,078	44,605	63,650	38,141	50,940
3+2	Pole Logging	40,311	51,507	350	49,181	46,587	40,371	41,524	45,371	46,052	45,994
3+2	Grain Bodies	19,987	9,338	.	20,000	.	6,000	12,989	12,734	7,588	13,542
3+2	Dump Truck	31,039	25,575	13,243	17,272	10,983	9,409	49,452	38,542	36,672	31,325
3+2	Tank-Liquid	45,367	34,659	28,668	62,135	.	42,013	41,867	80,210	90,429	59,493
3-S2	Low Boy	24,599	31,240	20,080	16,116	21,833	21,505	28,496	17,164	24,267	19,655
3-S2	Basic Platform	62,413	68,440	55,656	49,824	57,937	55,532	61,754	64,641	55,584	50,217
3-S2	Livestock	74,320	68,557	79,219	80,135	70,187	46,970	83,617	73,779	33,435	51,476
3-S2	Ins. Non-ref	79,261	92,493	52,935	80,680	73,412	80,425	60,727	89,443	95,113	98,182
3-S2	Ins. Ref	91,777	99,828	67,162	82,287	90,298	89,536	93,836	96,574	77,479	87,478
3-S2	Drop Frame	65,976	65,090	52,478	62,318	62,833	66,636	61,290	69,102	61,878	74,311
3-S2	Basic Enclosed	79,059	87,813	64,223	65,520	75,946	76,715	83,834	83,977	65,409	60,128
3-S2	Pole Logging	40,804	44,195	44,294	43,664	46,214	55,546	52,494	53,323	48,874	44,341
3-S2	Auto Transport	53,690	54,750	46,072	70,364	62,202	63,803	59,145	49,442	68,561	66,676
3-S2	Grain Bodies	41,905	40,157	52,428	28,248	40,560	39,250	48,171	39,133	34,308	34,118
3-S2	Dump Truck	47,639	43,520	44,467	46,668	48,836	55,950	53,279	53,869	39,358	29,878
3-S2	Tank-Liquid	66,415	73,046	54,917	63,690	66,061	76,244	64,079	72,460	57,862	68,918
3-S2	Tank-Dry	73,279	74,372	63,051	66,455	65,828	65,491	60,775	71,183	82,978	49,613
3-S3	Low Boy	26,584	30,052	25,909	24,047	38,667	31,387	33,470	31,530	23,339	27,579
3-S3	Basic Platform	61,765	43,686	50,040	52,510	43,027	65,601	46,211	35,144	55,965	61,061
3-S3	Ins. Ref	53,534	101,163	89,893	85,180	49,130	84,450	120,000	116,641	85,372	64,006
3-S3	Basic Enclosed	68,941	61,730	82,628	67,385	86,653	92,015	77,340	91,539	76,049	51,023
3-S3	Pole Logging	34,605	50,590	50,240	52,237	.	57,828	57,013	40,558	82,462	53,198
3-S3	Grain Bodies	46,621	35,145	100,000	52,970	10,000	80,421	2,000	32,194	78,576	53,718
3-S3	Dump Truck	45,191	45,845	59,308	63,370	53,369	50,249	66,482	56,812	41,469	23,756
3-S3	Tank-Liquid	59,860	63,329	72,692	80,592	77,437	105,513	54,759	53,991	70,867	65,732
2-S1-2	Basic Platform	130,904	124,500	.	110,909	.	.	12,094	.	66,067	47,586
2-S1-2	Drop Frame	99,376	91,054	.	52,705	81,975	71,958	72,492	111,306	59,416	71,145
2-S1-2	Basic Enclosed	66,880	147,038	55,430	61,096	46,598	80,995	128,861	79,528	108,444	62,655
2-S1-2	Grain Bodies	102,187	52,178	.	.	.	.	.	.	56,139	61,353

Note: Some cells are based on a very sample of data. Accompanying table gives cell sample sizes.

Sample Size in Regional Comparison of the Mean Annual VMT
by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central		North East		South Atlantic		South Gulf		West	
		1987	1992	1987	1992	1987	1992	1987	1992	1987	1992
3+2	Low Boy	7	12	6	5	18	11	14	12	8	20
3+2	Basic Platform	27	19	15	18	13	14	39	44	93	102
3+2	Basic Enclosed	15	5	1	6	2	8	14	20	10	10
3+2	Pole Logging	2	13	1	4	13	11	20	46	105	103
3+2	Grain Bodies	18	35	.	1	.	1	5	22	16	19
3+2	Dump Truck	41	67	30	79	16	26	28	41	138	266
3+2	Tank-Liquid	14	8	3	10	.	7	7	4	41	71
3-S2	Low Boy	235	351	200	291	187	273	140	211	234	353
3-S2	Basic Platform	1,020	1,181	555	701	595	762	684	892	841	1,317
3-S2	Livestock	170	213	7	13	19	33	59	58	78	163
3-S2	Ins. Non-ref	132	112	36	47	48	47	40	60	66	180
3-S2	Ins. Ref	848	1,273	214	476	329	568	333	470	363	1,036
3-S2	Drop Frame	150	190	62	105	39	58	42	72	30	88
3-S2	Basic Enclosed	1,522	2,912	845	1,689	866	1,596	1,142	1,688	451	821
3-S2	Pole Logging	13	49	25	42	116	272	128	272	297	326
3-S2	Auto Transport	73	127	30	21	66	30	40	47	23	37
3-S2	Grain Bodies	418	752	13	20	25	81	137	251	133	200
3-S2	Dump Truck	215	310	225	354	193	313	271	361	416	721
3-S2	Tank-Liquid	397	569	284	516	272	392	299	512	228	361
3-S2	Tank-Dry	85	149	54	76	82	125	59	119	52	65
3-S3	Low Boy	100	128	44	73	44	55	61	121	60	150
3-S3	Basic Platform	68	81	27	73	18	19	27	20	34	44
3-S3	Ins. Ref	12	17	6	8	9	7	3	8	19	28
3-S3	Basic Enclosed	29	47	19	41	26	37	31	27	28	49
3-S3	Pole Logging	2	11	32	88	.	10	3	7	3	22
3-S3	Grain Bodies	18	24	1	.	1	3	1	3	9	8
3-S3	Dump Truck	80	180	37	75	29	74	36	72	23	69
3-S3	Tank-Liquid	22	36	7	31	8	7	2	27	17	57
2-S1-2	Basic Platform	2	2	.	6	.	.	1	.	33	58
2-S1-2	Drop Frame	10	12	.	9	11	10	9	8	4	9
2-S1-2	Basic Enclosed	76	71	17	44	12	30	25	58	81	114
2-S1-2	Grain Bodies	3	8	.	.	.	.	.	.	19	11

Regional Comparison of the Percent of VMT Driven on Trips Whose Length are 200 Miles or More

by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central		North East		South Atlantic		South Gulf		West	
		1987	1992	1987	1992	1987	1992	1987	1992	1987	1992
3+2	Low Boy	0.00	0.00	0.48	92.22	26.96	0.00	17.00	19.44	5.44	3.27
3+2	Basic Platform	10.41	31.67	39.88	6.99	39.67	14.34	27.25	38.43	43.89	47.85
3+2	Basic Enclosed	86.29	89.78	25.00	57.85	0.00	15.74	53.32	53.01	25.89	65.08
3+2	Pole Logging	0.00	2.58	0.00	0.00	9.43	0.00	8.07	3.27	7.78	1.39
3+2	Grain Bodies	59.15	27.25	.	0.00	.	0.00	12.29	1.15	15.88	5.72
3+2	Dump Truck	1.91	0.27	0.18	2.58	2.02	0.00	5.17	0.00	1.52	0.85
3+2	Tank-Liquid	6.60	0.00	3.39	27.96	.	15.27	11.12	37.82	20.33	6.96
3-S2	Low Boy	42.37	63.32	20.02	22.67	12.36	17.94	54.42	25.74	21.43	17.06
3-S2	Basic Platform	69.35	73.84	40.96	52.33	45.05	49.76	64.48	65.91	55.80	59.43
3-S2	Livestock	45.97	55.37	67.77	69.45	55.91	37.67	56.95	66.01	48.39	59.13
3-S2	Ins. Non-ref	76.98	66.67	43.16	62.31	60.08	77.57	72.81	73.74	79.77	80.38
3-S2	Ins. Ref	81.50	85.64	56.89	67.98	76.05	80.71	76.53	85.51	67.12	77.50
3-S2	Drop Frame	90.36	88.60	72.99	75.48	68.21	73.71	91.12	78.49	93.73	85.05
3-S2	Basic Enclosed	71.02	79.43	51.56	55.07	62.19	67.07	67.31	75.54	56.67	52.33
3-S2	Pole Logging	23.98	10.97	4.42	19.40	1.39	2.45	3.54	7.67	3.53	2.75
3-S2	Auto Transport	65.98	53.20	27.93	81.08	56.26	72.14	74.19	67.80	51.65	49.57
3-S2	Grain Bodies	22.65	27.96	42.81	6.26	16.29	9.97	36.02	31.46	30.69	33.15
3-S2	Dump Truck	8.93	13.29	7.68	27.46	6.79	11.84	7.58	11.11	4.66	6.79
3-S2	Tank-Liquid	29.70	42.63	17.80	30.32	26.59	36.35	21.04	32.53	24.50	27.76
3-S2	Tank-Dry	35.52	31.60	34.93	26.55	39.95	14.84	24.13	38.72	27.19	33.77
3-S3	Low Boy	28.68	29.51	7.46	24.38	42.43	23.49	20.76	26.43	11.42	24.25
3-S3	Basic Platform	51.61	33.45	27.92	45.76	7.64	20.74	36.25	48.64	46.58	53.81
3-S3	Ins. Ref	58.79	92.22	65.08	98.21	86.94	98.00	94.45	100.00	92.92	66.07
3-S3	Basic Enclosed	70.57	59.47	63.10	70.18	62.68	79.31	59.54	77.80	50.05	70.74
3-S3	Pole Logging	27.67	38.53	3.69	20.99	.	0.00	20.80	0.00	75.58	9.22
3-S3	Grain Bodies	12.20	29.45	75.00	4.51	0.00	29.57	0.00	21.85	20.60	20.92
3-S3	Dump Truck	12.25	21.07	17.47	19.98	11.20	1.66	3.76	6.41	4.49	1.54
3-S3	Tank-Liquid	11.47	13.56	9.02	19.88	28.67	28.96	0.28	51.15	24.01	43.86
2-S1-2	Basic Platform	0.00	37.15	.	91.84	.	.	0.00	.	42.42	37.38
2-S1-2	Drop Frame	0.94	75.68	.	58.48	6.61	100.00	17.67	18.78	23.68	24.46
2-S1-2	Basic Enclosed	74.32	79.62	95.09	60.25	77.07	77.01	94.46	62.26	89.68	48.40
2-S1-2	Grain Bodies	17.17	35.83	.	.	.	.	.	.	29.74	17.01

Note: Some cells are based on a very sample of data. Accompanying table gives cell sample sizes.

Sample Size in Regional Comparison of the Percent of VMT Driven on Trips Whose Length are 200 Miles or More

by Vehicle Class/Body Type Combinations

Config.	Body Type	North Central		North East		South Atlantic		South Gulf		West	
		1987	1992	1987	1992	1987	1992	1987	1992	1987	1992
3+2	Low Boy	6	12	6	5	18	11	13	12	8	20
3+2	Basic Platform	27	19	14	18	13	14	39	44	92	102
3+2	Basic Enclosed	15	5	1	6	.	8	5	20	10	10
3+2	Pole Logging	2	13	1	4	12	11	20	46	105	103
3+2	Grain Bodies	18	35	.	1	.	1	5	22	16	19
3+2	Dump Truck	41	67	30	79	16	26	28	41	137	266
3+2	Tank-Liquid	14	8	2	10	.	7	7	4	41	71
3-S2	Low Boy	232	351	199	291	184	273	137	211	232	353
3-S2	Basic Platform	1,016	1,181	551	701	589	762	680	892	827	1,317
3-S2	Livestock	170	213	7	13	19	33	59	58	78	163
3-S2	Ins. Non-ref	132	112	36	47	48	47	40	60	66	180
3-S2	Ins. Ref	846	1,273	214	476	327	568	331	470	363	1,036
3-S2	Drop Frame	150	190	61	105	38	58	42	72	30	88
3-S2	Basic Enclosed	1,515	2,912	833	1,689	854	1,596	1,134	1,688	447	821
3-S2	Pole Logging	13	49	25	42	116	272	127	272	296	326
3-S2	Auto Transport	71	127	30	21	66	30	39	47	23	37
3-S2	Grain Bodies	415	752	13	20	25	81	135	251	133	200
3-S2	Dump Truck	215	310	224	354	190	313	270	361	413	721
3-S2	Tank-Liquid	396	569	283	516	267	392	297	512	227	361
3-S2	Tank-Dry	85	149	54	76	82	125	59	119	52	65
3-S3	Low Boy	99	128	44	73	44	55	61	121	59	150
3-S3	Basic Platform	68	81	27	73	18	19	26	20	34	44
3-S3	Ins. Ref	12	17	6	8	8	7	3	8	19	28
3-S3	Basic Enclosed	29	47	19	.	26	37	31	27	28	49
3-S3	Pole Logging	2	11	32	88	.	10	3	7	3	22
3-S3	Grain Bodies	18	24	1	3	1	3	1	3	9	8
3-S3	Dump Truck	80	180	37	75	29	74	36	72	23	69
3-S3	Tank-Liquid	22	36	7	31	11	7	9	27	4	57
2-S1-2	Basic Platform	2	2	.	6	.	.	1	.	33	58
2-S1-2	Drop Frame	10	12	.	9	11	10	9	8	4	9
2-S1-2	Basic Enclosed	76	71	17	44	12	30	25	58	80	114
2-S1-2	Grain Bodies	3	8	.	.	.	.	.	.	18	11

Appendix H

Data Analysis Methodology

Appendix H

Data Analysis Methodology

Creating External Subset Databases

Because the original TIUS data sets, ***tius87.dat*** and ***ti92mdf.dat***, contained vehicles that were not of interest to this study, new databases containing a subset of the original TIUS data sets were created for analysis. For each year, two databases were created. One, which was called ***bigtruck.dat***, that contained the *total fleet* of large vehicles as defined in the report, and another, which was called ***vehgrp.dat,*** that contained only the *5-axles or more truck fleet*.

Total Fleet Database BIGTRUCK.DAT

The total fleet database was subsets of the original TIUS data sets; however, it excluded vehicles with 2-axles and 4-tires (i.e., TIUS variable NAXLE=1), or vehicles with the following body types: pickup (BODTYP=1), sport utility (BODTYP=24), station wagon (BODTYP=25), and mini-van (BODTYP=26). Straight trucks pulling a 1-axle utility trailer or 1-axle trailer are contained in this database, but were excluded during analysis and the reporting process.

In distributing the total truck fleet into various configuration classes, the TIUS axle recode variable, AXLRE, was used to determine the class a vehicle should be placed in. The AXLRE variable was a variable created by the Bureau of the Census, based on survey data, to identify the configuration in which a vehicle travels most often in.

Configuration Classes and their Associated AXLRE Levels

Configuration	AXLRE Code 1992	AXLRE Code 1987
Truck		
2-axle	02	01
3-axle	03	02
4-axle	04	03
Truck + Trailer		
2+2	09, 20	4, 47, 53
2+*3	10, 21	5, 8, 48, 54
3+2	12, 23	6, 50, 56
3+*3	13, 24, 25	7, 9, 51, 57
***4+2**	15, 26	10, 59
***4+*3**	16, 27, 28	11, 12, 60
Tractor - Semitrailer		
2-S1	32	13
2-S2	33	14
2-*S3	34	18
3-S1	35	15
3-S2	36	16
3-*S3	37	19
4-S1	38	17
4-S2	39	20

Configuration	AXLRE Code 1992	AXLRE Code 1987
4-*S3	40	21
Tractor - Doubles		
2-S1-2	45	22
3-S1-2	49	24
2-S2-2	46	23
3-S2-2	50	27
Other @ *7-axle	47, 53	25, 26, 30
3-2S-3	51	28
Other @ *8-axle	48, 54	26, 28, 31
3-S2-4	52	29
Other @ *9-axle	55	32
Other @ *10-axle	56	33
Tractor - Triples		
2-S1-2-2	61	34
3-S1-2-2	65	38
Other	62-64, 66-72	35-37, 39-45

Notes: Configuration names: The first number indicates the number of axles on the straight truck or tractor truck. The second number indicates the number of axles on first trailer, while the third and fourth numbers represent number of axles on second and third trailers respectively.

The * next to a number indicates that the number of axles is equal to or greater than this number (e.g., *4+2 is the group for 4-axles or more straight trucks pulling one trailer with 2 axles.)

5-Axles or More Fleet Database VEHGRP.DAT

The 5-axles or more fleet database was a subset of the total fleet data set; however, they excluded vehicles whose total number of axles were less than 5 and straight trucks which hauled 1-axle utility trailers or 1-axle trailers (i.e., *4+1). In creating this database, a new variable, VEHGRP, was added to the variable list. VEHGRP defines the vehicle group that a registered vehicle belongs in. We defined eight vehicle groups: (1) Truck + Trailer at 5-axles, (2) Truck + Trailer at 6-axles, (3) 3-S2, (4) Tridem axle Semitrailer, (5) 4S1/S2, (6) STAA (2-S1-2), (7) Doubles at 6-axles or more, (8) Triples.

Vehicle Groups and their Associated AXLRE

Vehicle Groups	AXLRE Code 1992	AXLRE Code 1987
Truck + Trailer with 5-axles	10, 12, 21, 23	5, 6, 48, 50, 54, 56
Truck + Trailer with 6-axles or more	24-28, 13, 15, 16, 22	7-12, 51, 57, 59, 60
3-S2	36	16
Tractor-Semitrailer with Tridem Axles	34, 37, 40	18, 19, 21
4-S1/S2	38, 39	17, 20
STAA (2-S1-2)	45	22
Doubles @ 6-axles or more	46-56	23-33
Tractor - Triples	61-72	34-45

Vehicle Body Type

Each surveyed truck identified the body type that they traveled most often in. This is question 9 on the 1992 TIUS survey Form 9502 and question 8 on the 1987 TIUS survey Form 9502 . There were 27 body types to choose from.

Code #		Body Type Description
02	-	van other than mini-van
03	-	multi-stop or step van (including hi-cube or cutaway)
04	-	platform with devices permanently mounted on bed of truck
05	-	low boy (goose neck)—platform with depressed center
06	-	basic platform—including flatbed, stake, etc.
07	-	livestock truck (including livestock drop frame)
08	-	insulated, non-refrigerated van
09	-	insulated, refrigerated van
10	-	drop frame van (including furniture van, etc.)
11	-	open top van (including fruit)
12	-	basic enclosed van (dry cargo)
13	-	beverage truck
14	-	utility truck—used in public utility operations
15	-	winch or crane truck—lifting equipment (including roll-on, roll-off)
16	-	wrecker—for motor vehicle towing or lifting
17	-	pole, logging, pulpwood or pipe truck
18	-	automobile transport
22	-	service truck or craftsman's vehicle
23	-	yard tractor—cab and chassis only used to spot trailers
27	-	oilfield truck—service equipment permanently mounted on vehicle
29	-	grain bodies (including low-side grain and hoppers, etc.)
30	-	garbage truck
40	-	dump truck (including belly or bottom dump)
50	-	tank truck for liquids or gases
60	-	tank truck for dry bulk
70	-	concrete mixer
80	-	other (trucks whose body type was not one of the previous types)

Major Body Type Groups and their Associated Body Types

In our analysis, we grouped the 27 body types into 11 major body type groups. The reason in part was due to the small sample of data available on vehicles with certain body types. The other category contains mostly body types which have small sample sizes.

Major Body Type	BODTYP Code 1992 and 1987
Platform	05, 06
Van	03, 08-12
Auto Transport	18
Dump Truck	40
Grain Bodies	29
Garbage Truck	30
Livestock Truck	07
Pole, Logging Truck	17
Tank Truck for Dry Bulk	60
Tank Truck for Liquid or Gases	50
Other	04, 13-16, 22, 23, 27, 70, 80

Note: BODTYP=02 which is a van other than mini-van did not appear in the 5-axles or more fleet, so this body type was not placed into a major body type group.

Traffic Regions and Their Associated FIPST States

Because the number of records for the various configuration classes at the state level tends to be very small for most vehicle configuration, our report focused primarily on the regional level. The TIUS database did not contain a region variable, so in our analysis we had to create this variable based on the registration state (TIUS variable FIPST) given on the survey.

North Central		**North East**		**South Atlantic**		**South Gulf**		**West**	
STATE	FIPST								
Illinois	17	Connecticut	09	Delaware	10	Alabama	01	Alaska	02
Indiana	18	Maine	23	Dist. of Columbia	11	Arkansas	05	Arizona	04
Iowa	19	Massachusetts	25	Florida	12	Kentucky	21	California	06
Kansas	20	New Hampshire	33	Georgia	13	Louisiana	22	Hawaii	15
Michigan	26	Rhode Island	44	Maryland	24	Mississippi	28	Montana	30
Minnesota	27	Vermont	50	North Carolina	37	Oklahoma	40	Nevada	32
Missouri	29	New Jersey	34	South Carolina	45	Tennessee	47	Utah	49
Nebraska	31	New York	36	Virginia	51	Texas	48	Washington	53
North Dakota	38	Pennsylvania	42	West Virginia	54			Wyoming	56
Ohio	39							Idaho	16
South Dakota	46							New Mexico	35
Wisconsin	55							Oregon	41
								Colorado	08

Annual Vehicle Miles Traveled (VMT)

Each surveyed truck indicated their estimated annual vehicle miles traveled (i.e., VMT) for the year. This is question 15 on the 1992 TIUS survey Form 9502 and question 15 on the 1987 TIUS survey Form 9502. Its variable name in the TIUS database was ANNMIL for both 1992 and 1987.

Trailer Width

Each combination vehicle was asked to report the width of the trailer most often attached to it. This is question 12c on the 1992 TIUS survey Form 9502 and question 11b on the 1987 TIUS survey Form 9502. For 1992, the respondents had 4 width categories to choose from. The 1992 WIDTH variable levels were (1) 96 inches, (2) 102 inches, (3) More than 102 inches, or (4) Other. For 1987, the respondents were to give an estimate in inches of the width of their trailer. The 1987 width variable was called WTHTRL.

Some problems were noticed with the 1987 width data because estimates were given and because error correction was not performed on this variable by the Bureau of the Census. The first issue was that a number of combination vehicles reported a width of 0 inches. In our analysis, we omitted these widths; however, we footnote their absences. Another issue was that many respondents gave non- standard widths, for example 43, 95, or 97 inches. Based on our observations of the data, it appeared that a number of respondents who gave non-standard responses tended to be within two inches of a standard width (96 inches or 102 inches).

To compare the 1987 data with the 1992 data, the 1987 widths had to be categorized into the four groups. It was decided to only place values of 96 inches into the 96 inch group, of 102 inches into the 102 inch group, of more than 102 inches into the more than 102 inch group, and any other values, except zero values which was excluded from the analysis, into an other category.

Vehicle Length

Each vehicle was asked to report the overall length of their vehicle as it was most often operated. This is question 12a on the 1992 TIUS survey Form 9502 and question 11a on the 1987 TIUS survey Form 9502. For 1992, the respondents had 14 length categories from which to choose. This variable is called TOTLEN in the 1992 database. For 1987, respondents gave estimates in feet of the overall length of their vehicle. The variable was called LENGTH in the 1987 database. To compare the 1987 data with the 1992 data, the 1987 length values were grouped under the same categories headings that were presented on the 1992 survey. Unlike the width variable, we did not see many problems with categorizing the length data because the length category groupings specified a range of values not a specific length value.

% of VMT Outside Home Base State

Each vehicle was asked to report the percent of the year's mileage that was driven outside of the home base state where home base state refers to the state where the vehicle was usually parked when it was not on the road. (Note: Home base state and state of registration are not always the same.) This is question 18 on the 1992 TIUS survey Form 9502 and question 19 on the 1987 TIUS survey Form 9502.. In the database, this variable was called POBAST for both 1992 and 1987.

In our analysis, we were primarily interested in the number of vehicles who reported that all of their VMT was driven inside the home base state. Therefore, the home base graphs referred to in section 7 of the report and presented in Appendix E are counts of the number of vehicles at different levels of % of VMT outside of home base state. The most important information on these plots is the number of vehicles who report all their VMT is driven within their home base state. This is obtained by looking at the value plotted at 0% of VMT outside of home base state.

Range of Operation

Each vehicle was asked to report the percent of the year's mileage that was driven on various lengths of trips. This is question 19 on the 1992 TIUS survey Form 9502, and question 20 on the 1987 TIUS survey Form 9502. In 1992, there were 6 trip range levels identified; however, in 1987 only 4 ranges were identified. The following table gives the ranges, and the TIUS variable associated with each range.

Range	Off Road	0-50 Miles	50-100 Miles	100-200 Miles	200-500 Miles	> 500 Miles
1987	POFFRD	PLOCAL	PSHORT		PLONG	
1992	POFFRD	PLOCAL	PSHORT	PSMED	PLMED	PLONG

Before analyzing the data, we insured that the total% of VMT distributed across the various range levels totaled to 100% for each record. Data that totaled to 0 were ignored in the analysis. No correction was necessary for the 1992 because the Bureau had already done corrections to the records such that they totaled to 100%. For 1987, we had to correct records that did not total to 100%. For a 1987 record, the correction method first involved summing the% of VMT traveled across all 4 trip range groups. (Note: In SAS, we set a blank entry value to 0 before performing the summation.) If this sum did not equal 100, then each of the 4 range group values were divided by the total sum of all the trips in order to get a proportion of the VMT that each trip accounted for. To convert proportion to percentage, we multiplied these proportion by 100.

Since our analysis was interested in the distribution of a vehicle group's VMT across the various trip range levels, we had to convert the% of VMT units to VMT. This process involved dividing the% of VMT for a range by 100 to get a proportion of the VMT accounted for by this type of trip, then multiplying this value by annual miles traveled (e.g., for a given record, the VMT spent on a local trip would be calculated by the following formula:
VMT(local)=PLOCAL*ANNMIL/100).

Vehicle Weight

In our analysis, we calculated the mean empty, average, and maximum weight for various vehicle configurations. In deriving the means, some weight data was excluded from the analysis because it was felt to be invalid data based on our knowledge of general operational characteristics of the commercial vehicles. The restrictions are mentioned below.

TIUS Weight Variables. This is question 13 on the 1992 TIUS survey Form 9502 and question 12, 13, and 14 on the 1987 TIUS survey Form 9502.

Weight Variable	Variable Name 1992	Variable Name 1987
Empty (tare) Weight	EMPWT	EMPWGT
Average Weight	AVGWT	AVGWGT
Maximum Weight	MAXWT	MAXWGT

Restrictions on Weight Variables:

Weight Variable	Lower limit	Upper limit
Empty (tare) Weight	Exclude 20,000 and below	Exclude greater than 50,000
Average Weight	Exclude 20,000 and below	Exclude greater than 140,000
Maximum Weight	Exclude 20,000 and below	Exclude greater than 140,000

Payload Weight

In addition to the evaluation of the overall weight of a vehicle, we were interested in the weight of the load carried by a vehicle configuration. Since there was no question on the survey that directly addressed this issue, we derived an estimate of the average payload weight by subtracting the empty weight of the vehicle from its average weight. In addition, maximum payload weight was derived by subtracting the empty weight of the vehicle from its maximum weight. The previously mentioned restrictions on the weight variables applied in this analysis with an added condition that the reported empty weight had to be less than the reported average or maximum weight.

Commodities Hauled

Each respondent on the survey indicated the percent of their VMT that a particular commodity was hauled or that no commodities were hauled. This is question 28 on the 1992 TIUS survey Form 9502. The sum of the commodities should total to 100%. To evaluate the commodity data, the analysis has to be based on the actual VMT because % of VMT is not a valid unit of measure for analysis (i.e., 1% of VMT is not a common unit because each vehicle has a different annual VMT. For example, one vehicle's annual VMT may be 100,000 miles which means 1% of their VMT is 1,000 miles, while another vehicle's annual VMT is 30,000 miles which means 1% of their VMT is 300 miles).

In this report, only the commodity information from 1992 was evaluated. No comparison was done with the 1987 data because of differences in the formatting and wording of the question. The most noticeable difference was that no load was not included with the list of commodities.

Commodity Description	Variable 1992
No load — vehicle empty	PNOLOD
Live animals	LVANML
Fresh **farm products**	FARMPD
Processed foods and tobacco products	PRFOOD
Animal feed	ANFEED
Mining products	MINPRO
Building materials (gravel, sand, concrete, flat glass, etc.—except cut lumber)	BLDGMA
Logs and other **forest products**	LOGPRO
Lumber and fabricated wood products—except furniture	LUMBER
Paper and paper products	PAPER
Chemicals and/or drugs (including fertilizers, pesticides, cosmetics, paints, etc.)	CHEM
Petroleum and petroleum products (including paving and roofing materials)	PETROL
Plastics and/or and **rubbe**r products	PLASTK
Primary metal products—pipes, ingots, billets, sheets, etc.	PRIMTL
Fabricated metal products	FABMTL
Machinery—electrical or non-electrical and electronic	MACHNE
Transportation equipment (including complete vehicles) and parts	TEQUIP
Furniture (wood and non-wood) and/or hardware—not involved in household moving	FURN
Glass products	GLASS
Textiles and apparels—fibers, leather goods, carpets, clothing, etc.	TEXTIL
Miscellaneous products of manufacturing	MSCMFG
Moving of **household** and office furniture	MOVING
Craftsman's equipment - miscellaneous tools and/or parts for specialized use	TOOLS
Mixed cargo (including the delivery of small packages)	MXDCAR
Scrap (not for recycling), garbage, trash, septic tank waste	REFUSE
Industrial "waste" **water**	INDWTR
Hazardous waste (EPA manifest)	HAZEPA
Hazardous waste (non-EPA manifest)	HAXNEPA
Recyclable products	RECYCLE
Other	OTHPROD

Principal Product Hauled

Since no question on the survey directly asked the respondent what their principal product was that they hauled, the Bureau of the Census derived a truck's principal product (TIUS variable PRNPRO) from the commodities data. For each surveyed truck, they identified the commodity that was hauled the most in comparison to the other commodities, then they defined this commodity as the truck's principal product.

When using the principal product variable, there are some issues that one should be aware of. One can not assume that the identified principal product accounts for a majority (over 50%) of the vehicle's VMT. If a truck hauls a number of commodities, the principal product identified with it may be hauled for only 30% of the vehicle's VMT. Another issue has to do with the decision rule that the Bureau decided on to determine the principal product when a tie existed between a number of commodities. For example, if there was a tie between Processed Foods and Mixed Cargo, their rule may state that Processed Foods will be listed as the principal product. Depending on how these ties are decided upon, you can get very different results in your final analyses. For this reason, it is discouraged to use this variable except for possibly a preliminary examination of the commodity data.

Creating External Subset Databases

Because the original TIUS data set, tius87.dat, contained vehicles that were not of interest to this study, a new database containing a subset of the original TIUS data was created for analysis. Two databases were created. One that contained the *total fleet* of large vehicles (which was called bigtruck.dat) as defined in the report (Section I), and another that contained only the *5-axles or more truck fleet* which was called vehgrp.dat (Section II).

Loading the External Databases

The information in the TIUS database is in ASCII format. The variables are column defined. The Data Dictionary that was provided with the TIUS documentation defines which variables are associated with which columns. This information is used to write the data input format statement used by SAS to read in the data.

Section III, IV, and V give the SAS code used to read in the different databases. Note that the computer pathnames will differ depending on where the files are located on your PC. After reading in a database, this database is stored in the working memory of the computer. Various procedures can be performed on this data set such as creating temporary subsets of the data for analysis, creating or redefining a variable, or generating statistics on the data.

Creating SAS Internal Subsets

During the analysis, temporary subsets of the data were created. Examples of temporary data sets included: a data set which defined the region that a vehicle was registered in (Section VI), or a data set containing only information on 3-S2s. By creating temporary data sets, you insure that nonrelevant data are not included. It simplifies the SAS procedure statements which are written to perform different analyzes. In addition, if you are running SAS for the PC, creating subsets will increase your processing time.

Expansion Factor

The TIUS database is just a statistical sample of the entire truck population. This small sample tries to characterize the larger population; however, it should be remembered that all statistics based on this sample are just estimates of the larger population characteristics. In order to make conclusions about the entire truck population based on this sample, each surveyed truck in the sample is associated with *n*-number of vehicles in the population. This is called the weighting factor or expansion factor, EXPFAC, for a record. This EXPFAC is not a constant number. The EXPFAC differs by state and vehicle type.

Simple Statistics

In this analysis, our focus was on determining the number of vehicles in a particular category of characteristics and on obtaining means of such characteristics as weight and VMT. Frequency tables were generated to indicate the number of vehicles in a category. Some of these frequency tables were imported into Microsoft's Excel program, and the data was plotted.

I. SAS Program to Create Subset Database of Large Vehicles Only (Referred to in the paper as the 1987 Total Fleet)

```
Data _null_;

* Comment - This program creates an external subset database, bigtruck.dat, from the original 1987 TIUS database,
tius87.dat. This subset database excludes 2-axle 4-tire vehicles (NAXLES=1), and vehicles with the following body
types: pick-up (BODTYP=1), sport utility (BODTYP=24), station wagon (BODTYP=25), and mini-van
(BODTYP=26),. ;

* Comment - The decimal specifications for the variables EXPFAC and MPG were removed in the formatting
information for copying purposes only. ;

Infile 'd:\tius87\tius87.dat' lrecl=424;

Input

LINKID 11. FIPST 2. SAMTYP 1. EXPFAC 6. MAKE 2. MDLYR 2. WHNACQ 2. OBTAIN 1. HOWLEA 1.
HWLONG 1. TYPLEA1 1. TYPLEA2 1. TYPLEA3 1. TYPLEA4 1. TYPLEA5 1. TYPLEA6 1. TYPLEA7 1.
STLOWN 1. OWNLES 1. DISPOZ 4. HOWRID 1. LEAOUT 1. HLSOUT 1. LLEOUT 1. TLSOUT1 1.
TLSOUT2 1. TLSOUT3 1. TLSOUT4 1. TLSOUT5 1. TLSOUT6 1. TLSOUT7 1. BODTYP 2. LENGTH 3.
EMPWGT 5. AVGWGT 6. MAXWGT 6. PCARSZ 3. PCARWT 3. NAXLES 1. LIFTAX 1. DRAXLS 1.
VEHTYP 1. TRLATT 1. PCTPUL 3. AXONTU 1. LOADWT 5. LAXTRL 1. WTHTRL 3. SINGLE 1.
DOUBLE 1. TRIPLE 1. STTRFT 1. UTLTRL 1. OTHTRL 1. PCNTNR 3. PPGIGY 3. CABTYP 1. ENGTYP 1.
ENGSZE 1. HRSPWR 2. CID 2. BRAKES 1. AERODN 1. AXLRAT 1. ECOENG 1. REFLCT 1. RADIAL 1.
GOVNOR 1. VARFAN 1. OTHFUL 1. PWRSTR 1. AIRCON 1. ENGRET 1. EVMS 1. EVIS 1. RECRDR 1.
NAVSYS 1. FRNWH 1. GMSELF 1. GMCOMP 1. GMDEAL 1. GMLEAS 1. GMGARG 1. GMDIST 1.
GMNONE 1. GMOTHR 1. OVSELF 1. OVCOMP 1. OVDEAL 1. OVLEAS 1. OVGARG 1.
OVDIST 1. OVNONE 1. OVOTHR 1. ANNMIL 6. LTMIL 7. MPG 3. BASTAT $char2. MSAIO 1. POBAST
3. POFFRD 3. PLOCAL 3. PSHORT 3. PLONG 3. OPCLAS 1. PPTRAN 3. PBUS 3. PFORHR 3. ICCREG 1.
OPTYP 1. PMOCAR 3. PINDEP 3. PLEASE 3. JURISD 1. PINTER 3. PINTRA 3. PLCAL 3. TYPCAR 1.
PCONTR 3. PCOMON 3. PEXEMT 3. MAJUSE 2. HAZMAT 1. FLAMLQ 1. COMBLQ 1. CORRLQ 1.
POISNBS 1. POISNBL 1. FLAMS 1. OXIDZS 1. FLMGAS 1. NFLGAS 1. POISNA 1.
CORRSL 1. EXPLSV 1. BLSAGT 1. RADMAT 1. ORMABC 1. ORME 1. HMOTHR 1. PHAZMAT 1.
LVANML 3. FARMPD 3. PRFOOD 3. MINPRO 3. BLDGMA 3. LOGPRO 3. LUMBER 3. PAPER 3. CHEM
3. PETROL 3. PLASTK 3. PRIMTL 3. FABMTL 3. MACHINE 3. TEQUIP 3. FURN 3. GLASS 3. TEXTIL 3.
MSCMFG 3. MOVING 3. TOOLS 3. MXDCAR 3. REFUSE 3. INDWTR 3. HWASTE 3. OTHER 3. PNOLOD
3. PPSTRN 3. NONUSE 3. ACCDNT 1. NFATAL 1. BODINJ 1. PRPDAM 1. FLTSZE 1. AXLRE 2. PRNPRO
2. AREAOP 1. TIUGVW 2. VEHSZE 1.
RI110 $char1. RI111 $char1. RI112 $char1. RI113 $char1. RI206 $char1. RI207 $char1. RI208 $char1. RI209 $char1.
RI210 $char1. RI211 $char1. RI213 $char1. RI311 $char1. RI325 $char1. RI326 $char1. RI327 $char1. RI334 $char1.
RI300 $char1. RI307 $char1. RI308 $char1. RI309 $char1. RI305 $char1. RI304 $char1. RI345 $char1. RI341 $char1.
RI342 $char1. RI400 $char1. RI401 $char1. RI402 $char1. RI406 $char1. RI408 $char1. RI409 $char1. RI410 $char1.
RI411 $char1. RI412 $char1. RI501 $char1. RI506 $char1. RI507 $char1. RI508 $char1. RI509 $char1. RI510 $char1.
RI511 $char1. RI512 $char1. RI513 $char1. RI514 $char1. RI525 $char1. RI552 $char1. RI570 $char1. RI526 $char1.
RI527 $char1. RI528 $char1. RI529 $char1. RI530 $char1. RI531 $char1. RI532 $char1. RI533 $char1. RI534 $char1.
RI535 $char1. RI536 $char1. RI537 $char1. RI538 $char1. RI539 $char1. RI540 $char1. RI541 $char1. RI542 $char1.
RI543 $char1. RI544 $char1. RI545 $char1. RI546 $char1. RI547 $char1. RI548 $char1. RI549 $char1. RI550 $char1.
RI551 $char1. RI328 $char1. SPACES 3.;

File 'd:\tius87\bigtruck.dat' lrecl=424;
```

If naxles>1 and Bodtyp NE 1 and Bodtyp NE 24 and Bodtyp NE 25 and Bodtyp NE 26 then

put

LINKID 11. FIPST 2. SAMTYP 1. EXPFAC 6. MAKE 2. MDLYR 2. WHNACQ 2. OBTAIN 1. HOWLEA 1. HWLONG 1. TYPLEA1 1. TYPLEA2 1. TYPLEA3 1. TYPLEA4 1. TYPLEA5 1. TYPLEA6 1. TYPLEA7 1. STLOWN 1. OWNLES 1. DISPOZ 4. HOWRID 1. LEAOUT 1. HLSOUT 1. LLEOUT 1. TLSOUT1 1. TLSOUT2 1. TLSOUT3 1. TLSOUT4 1. TLSOUT5 1. TLSOUT6 1. TLSOUT7 1. BODTYP 2. LENGTH 3. EMPWGT 5. AVGWGT 6. MAXWGT 6. PCARSZ 3. PCARWT 3. NAXLES 1. LIFTAX 1. DRAXLS 1. VEHTYP 1. TRLATT 1. PCTPUL 3. AXONTU 1. LOADWT 5. LAXTRL 1. WTHTRL 3. SINGLE 1. DOUBLE 1. TRIPLE 1. STTRFT 1. UTLTRL 1. OTHTRL 1. PCNTNR 3. PPGIGY 3. CABTYP 1. ENGTYP 1. ENGSZE 1. HRSPWR 2. CID 2. BRAKES 1. AERODN 1. AXLRAT 1. ECOENG 1. REFLCT 1. RADIAL 1. GOVNOR 1. VARFAN 1. OTHFUL 1. PWRSTR 1. AIRCON 1. ENGRET 1. EVMS 1. EVIS 1. RECRDR 1. NAVSYS 1. FRNWH 1. GMSELF 1. GMCOMP 1. GMDEAL 1. GMLEAS 1. GMGARG 1. GMDIST 1. GMNONE 1. GMOTHR 1. OVSELF 1. OVCOMP 1. OVDEAL 1. OVLEAS 1. OVGARG 1. OVDIST 1. OVNONE 1. OVOTHR 1. ANNMIL 6. LTMIL 7. MPG 3. BASTAT $char2. MSAIO 1. POBAST 3. POFFRD 3. PLOCAL 3. PSHORT 3. PLONG 3. OPCLAS 1. PPTRAN 3. PBUS 3. PFORHR 3. ICCREG 1. OPTYP 1. PMOCAR 3. PINDEP 3. PLEASE 3. JURISD 1. PINTER 3. PINTRA 3. PLCAL 3. TYPCAR 1. PCONTR 3. PCOMON 3. PEXEMT 3. MAJUSE 2. HAZMAT 1. FLAMLQ 1. COMBLQ 1. CORRLQ 1. POISNBS 1. POISNBL 1. FLAMS 1. OXIDZS 1. FLMGAS 1. NFLGAS 1. POISNA 1. CORRSL 1. EXPLSV 1. BLSAGT 1. RADMAT 1. ORMABC 1. ORME 1. HMOTHR 1. PHAZMAT 1. LVANML 3. FARMPD 3. PRFOOD 3. MINPRO 3. BLDGMA 3. LOGPRO 3. LUMBER 3. PAPER 3. CHEM 3. PETROL 3. PLASTK 3. PRIMTL 3. FABMTL 3. MACHINE 3. TEQUIP 3. FURN 3. GLASS 3. TEXTIL 3. MSCMFG 3. MOVING 3. TOOLS 3. MXDCAR 3. REFUSE 3. INDWTR 3. HWASTE 3. OTHER 3. PNOLOD 3. PPSTRN 3. NONUSE 3. ACCDNT 1. NFATAL 1. BODINJ 1. PRPDAM 1. FLTSZE 1. AXLRE 2. PRNPRO 2. AREAOP 1. TIUGVW 2. VEHSZE 1.;

Run;

II. SAS Program to Create Subset Database of the 1987 5-Axles or More Truck Fleet

```
Data _null_;

* Comment - This program creates an external subset database, vehgrp.dat, from the total fleet database, bigtruck.dat.
This subset database excludes truck (or tractor) and/or trailer combinations whose total number of axles is less than 5 in
addition to truck-trailer combinations where the trailer has 1-axle. ;

Infile 'd:\tius87\bigtruck.dat' lrecl=424;

Input

LINKID 11. FIPST  2. SAMTYP  1. EXPFAC  6. MAKE  2. MDLYR  2. WHNACQ  2. OBTAIN  1. HOWLEA  1.
HWLONG  1. TYPLEA1 1. TYPLEA2 1. TYPLEA3 1. TYPLEA4 1. TYPLEA5 1. TYPLEA6 1. TYPLEA7 1.
STLOWN  1. OWNLES  1. DISPOZ  4. HOWRID  1. LEAOUT  1. HLSOUT  1. LLEOUT  1. TLSOUT1 1.
TLSOUT2 1. TLSOUT3 1. TLSOUT4 1. TLSOUT5 1. TLSOUT6 1. TLSOUT7 1. BODTYP  2. LENGTH  3.
EMPWGT  5. AVGWGT  6. MAXWGT  6. PCARSZ  3. PCARWT  3. NAXLES  1. LIFTAX  1. DRAXLS  1.
VEHTYP  1. TRLATT  1. PCTPUL  3. AXONTU  1. LOADWT  5. LAXTRL  1. WTHTRL  3. SINGLE  1.
DOUBLE  1. TRIPLE  1. STTRFT  1. UTLTRL  1. OTHTRL  1. PCNTNR  3. PPGIGY  3. CABTYP  1. ENGTYP  1.
ENGSZE  1. HRSPWR  2. CID  2. BRAKES  1. AERODN  1. AXLRAT  1. ECOENG  1. REFLCT  1. RADIAL  1.
GOVNOR  1. VARFAN  1. OTHFUL  1. PWRSTR  1. AIRCON  1. ENGRET  1. EVMS  1. EVIS  1. RECRDR  1.
NAVSYS  1. FRNWH  1. GMSELF  1. GMCOMP  1. GMDEAL  1. GMLEAS  1. GMGARG  1. GMDIST  1.
GMNONE  1. GMOTHR  1. OVSELF  1. OVCOMP  1. OVDEAL  1. OVLEAS  1. OVGARG  1.
OVDIST  1. OVNONE  1. OVOTHR  1. ANNMIL  6. LTMIL  7. MPG  3. BASTAT $char2. MSAIO  1. POBAST
3. POFFRD  3. PLOCAL  3. PSHORT  3. PLONG  3. OPCLAS  1. PPTRAN  3. PBUS  3. PFORHR  3. ICCREG  1.
OPTYP  1. PMOCAR  3. PINDEP  3. PLEASE  3. JURISD  1. PINTER  3. PINTRA  3. PLCAL  3. TYPCAR  1.
PCONTR  3. PCOMON  3. PEXEMT  3. MAJUSE  2. HAZMAT  1. FLAMLQ  1. COMBLQ  1. CORRLQ  1.
POISNBS 1. POISNBL 1. FLAMS  1. OXIDZS  1. FLMGAS  1. NFLGAS  1. POISNA  1.
CORRSL  1. EXPLSV  1. BLSAGT  1. RADMAT  1. ORMABC  1. ORME  1. HMOTHR  1. PHAZMAT 1.
LVANML  3. FARMPD  3. PRFOOD  3. MINPRO  3. BLDGMA  3. LOGPRO  3. LUMBER  3. PAPER  3. CHEM
3. PETROL  3. PLASTK  3. PRIMTL  3. FABMTL  3. MACHINE 3. TEQUIP  3. FURN  3. GLASS  3. TEXTIL  3.
MSCMFG  3. MOVING  3. TOOLS  3. MXDCAR  3. REFUSE  3. INDWTR  3. HWASTE  3. OTHER  3. PNOLOD
3. PPSTRN  3. NONUSE  3. ACCDNT  1. NFATAL  1. BODINJ  1. PRPDAM  1. FLTSZE  1. AXLRE  2. PRNPRO
2. AREAOP  1. TIUGVW  2. VEHSZE  1.;

* Comment - Create a new variable, VEHGRP, to define the vehicle group that the registered vehicle belongs in.  Use
the AXLRE variable which defines the configuration that the vehicle travels in most often.
VEHGRP: (1) - Truck + Trailer at 5-axles, (2) - Truck + Trailer at 6-axles, (3) 3-S2, (4) Tridem axle Semitrailer, (5)
4S1/S2, (6) 2-S1-2, (7) Doubles at 6-axles or more, (8) triples. ;

If axlre=5 or axlre=6 or axlre=48 or axlre=50 or axlre=54 or axlre=56 then
  VehGrp = 1;
If 6<axlre<13 or axlre=51 or axlre=57 or 58<axlre<61 then
  VehGrp=2;
If axlre=16 then
  VehGrp=3;
If axlre=19 or axlre=18  or axlre=21 then
  VehGrp=4;
If axlre=17 or axlre=20 then
  VehGrp=5;
If axlre=22 then
  VehGrp=6;
```

```
If 22<axlre<34 then
  VehGrp=7;
If 33<axlre<46 then
  VehGrp=8;

File 'd:\tius87\vehgrp.dat' lrecl=424;

* Only copy 5-axles or more truck fleet records to the new database;

If 4<axlre<13 or axlre=48 or axlre=50 or axlre=54 or axlre=51 or 55<axlre<61 or 15<axlre<46 then

Put

LINKID 11. FIPST   2. SAMTYP  1. EXPFAC  6. MAKE   2. MDLYR   2. WHNACQ  2. OBTAIN  1. HOWLEA  1.
HWLONG  1. TYPLEA1 1. TYPLEA2 1. TYPLEA3 1. TYPLEA4 1. TYPLEA5 1. TYPLEA6 1. TYPLEA7 1.
STLOWN  1. OWNLES  1. DISPOZ  4. HOWRID  1. LEAOUT  1. HLSOUT  1. LLEOUT  1. TLSOUT1 1.
TLSOUT2 1. TLSOUT3 1. TLSOUT4 1. TLSOUT5 1. TLSOUT6 1. TLSOUT7 1. BODTYP  2. LENGTH  3.
EMPWGT  5. AVGWGT  6. MAXWGT  6. PCARSZ  3. PCARWT  3. NAXLES  1. LIFTAX  1. DRAXLS  1.
VEHTYP  1. TRLATT  1. PCTPUL  3. AXONTU  1. LOADWT  5. LAXTRL  1. WTHTRL  3. SINGLE  1.
DOUBLE  1. TRIPLE  1. STTRFT  1. UTLTRL  1. OTHTRL  1. PCNTNR  3. PPGIGY  3. CABTYP  1. ENGTYP  1.
ENGSZE  1. HRSPWR  2. CID     2. BRAKES  1. AERODN  1. AXLRAT  1. ECOENG  1. REFLCT  1. RADIAL  1.
GOVNOR  1. VARFAN  1. OTHFUL  1. PWRSTR  1. AIRCON  1. ENGRET  1. EVMS    1. EVIS    1. RECRDR  1.
NAVSYS  1. FRNWH   1. GMSELF  1. GMCOMP  1. GMDEAL  1. GMLEAS  1. GMGARG  1. GMDIST  1.
GMNONE  1. GMOTHR  1. OVSELF  1. OVCOMP  1. OVDEAL  1. OVLEAS  1. OVGARG  1.
OVDIST  1. OVNONE  1. OVOTHR  1. ANNMIL  6. LTMIL   7. MPG     3. BASTAT $char2. MSAIO   1. POBAST
3. POFFRD  3. PLOCAL  3. PSHORT  3. PLONG   3. OPCLAS  1. PPTRAN  3. PBUS    3. PFORHR  3. ICCREG  1.
OPTYP   1. PMOCAR  3. PINDEP  3. PLEASE  3. JURISD  1. PINTER  3. PINTRA  3. PLCAL   3. TYPCAR  1.
PCONTR  3. PCOMON  3. PEXEMT  3. MAJUSE  2. HAZMAT  1. FLAMLQ  1. COMBLQ  1. CORRLQ  1.
POISNBS 1. POISNBL 1. FLAMS   1. OXIDZS  1. FLMGAS  1. NFLGAS  1. POISNA  1.
CORRSL  1. EXPLSV  1. BLSAGT  1. RADMAT  1. ORMABC  1. ORME    1. HMOTHR  1. PHAZMAT 1.
LVANML  3. FARMPD  3. PRFOOD  3. MINPRO  3. BLDGMA  3. LOGPRO  3. LUMBER  3. PAPER   3. CHEM
3. PETROL  3. PLASTK  3. PRIMTL  3. FABMTL  3. MACHINE 3. TEQUIP  3. FURN    3. GLASS   3. TEXTIL  3.
MSCMFG  3. MOVING  3. TOOLS   3. MXDCAR  3. REFUSE  3. INDWTR  3. HWASTE  3. OTHER   3. PNOLOD
3. PPSTRN  3. NONUSE  3. ACCDNT  1. NFATAL  1. BODINJ  1. PRPDAM  1. FLTSZE  1. AXLRE   2. PRNPRO
2. AREAOP  1. TIUGVW  2. VEHSZE  1. VEHGRP 2. ;

Run;
```

III. SAS Program to Load 1987 TIUS Database, TIUS87.DAT, for Analysis

```
Data  TIUS;

* Comment - This program loads the database into the computer's working memory.  After loading the database,
different data analysis procedures can be performed on the data. ;

Infile 'd:\tius87\tius87.dat' lrecl=424;

Input

LINKID 11. FIPST   2. SAMTYP  1. EXPFAC  6.2 MAKE   2. MDLYR   2. WHNACQ  2. OBTAIN  1. HOWLEA  1.
HWLONG  1. TYPLEA1 1. TYPLEA2 1. TYPLEA3 1. TYPLEA4 1. TYPLEA5 1. TYPLEA6 1. TYPLEA7 1.
STLOWN  1. OWNLES  1. DISPOZ  4. HOWRID  1. LEAOUT  1. HLSOUT  1. LLEOUT  1. TLSOUT1 1.
TLSOUT2 1. TLSOUT3 1. TLSOUT4 1. TLSOUT5 1. TLSOUT6 1. TLSOUT7 1. BODTYP  2. LENGTH  3.
EMPWGT  5. AVGWGT  6. MAXWGT  6. PCARSZ  3. PCARWT  3. NAXLES  1. LIFTAX  1. DRAXLS  1.
VEHTYP  1. TRLATT  1. PCTPUL  3. AXONTU  1. LOADWT  5. LAXTRL  1. WTHTRL  3. SINGLE  1.
DOUBLE  1. TRIPLE  1. STTRFT  1. UTLTRL  1. OTHTRL  1. PCNTNR  3. PPGIGY  3. CABTYP  1. ENGTYP  1.
ENGSZE  1. HRSPWR  2. CID     2. BRAKES  1. AERODN  1. AXLRAT  1. ECOENG  1. REFLCT  1. RADIAL  1.
GOVNOR  1. VARFAN  1. OTHFUL  1. PWRSTR  1. AIRCON  1. ENGRET  1. EVMS    1. EVIS    1. RECRDR  1.
NAVSYS  1. FRNWH   1. GMSELF  1. GMCOMP  1. GMDEAL  1. GMLEAS  1. GMGARG  1. GMDIST  1.
GMNONE  1. GMOTHR  1. OVSELF  1. OVCOMP  1. OVDEAL  1. OVLEAS  1. OVGARG  1.
OVDIST  1. OVNONE  1. OVOTHR  1. ANNMIL  6. LTMIL   7. MPG     3.1 BASTAT $char2. MSAIO   1.
POBAST  3. POFFRD  3. PLOCAL  3. PSHORT  3. PLONG   3. OPCLAS  1. PPTRAN  3. PBUS    3. PFORHR  3.
ICCREG  1. OPTYP   1. PMOCAR  3. PINDEP  3. PLEASE  3. JURISD  1. PINTER  3. PINTRA  3. PLCAL   3.
TYPCAR  1. PCONTR  3. PCOMON  3. PEXEMT  3. MAJUSE  2. HAZMAT  1. FLAMLQ  1. COMBLQ  1.
CORRLQ  1. POISNBS 1. POISNBL 1. FLAMS   1. OXIDZS  1. FLMGAS  1. NFLGAS  1. POISNA  1.
CORRSL  1. EXPLSV  1. BLSAGT  1. RADMAT  1. ORMABC  1. ORME    1. HMOTHR  1. PHAZMAT 1.
LVANML  3. FARMPD  3. PRFOOD  3. MINPRO  3. BLDGMA  3. LOGPRO  3. LUMBER  3. PAPER   3. CHEM
3. PETROL  3. PLASTK  3. PRIMTL  3. FABMTL  3. MACHINE 3. TEQUIP  3. FURN    3. GLASS   3. TEXTIL  3.
MSCMFG  3. MOVING  3. TOOLS   3. MXDCAR  3. REFUSE  3. INDWTR  3. HWASTE  3. OTHER   3. PNOLOD
3. PPSTRN  3. NONUSE  3. ACCDNT  1. NFATAL  1. BODINJ  1. PRPDAM  1. FLTSZE  1. AXLRE   2. PRNPRO
2. AREAOP  1. TIUGVW  2. VEHSZE  1.
RI110 $char1. RI111 $char1. RI112 $char1. RI113 $char1. RI206 $char1. RI207 $char1. RI208 $char1. RI209 $char1.
RI210 $char1. RI211 $char1. RI213 $char1. RI311 $char1. RI325 $char1. RI326 $char1. RI327 $char1. RI334 $char1.
RI300 $char1. RI307 $char1. RI308 $char1. RI309 $char1. RI305 $char1. RI304 $char1. RI345 $char1. RI341 $char1.
RI342 $char1. RI400 $char1. RI401 $char1. RI402 $char1. RI406 $char1. RI408 $char1. RI409 $char1. RI410 $char1.
RI411 $char1. RI412 $char1. RI501 $char1. RI506 $char1. RI507 $char1. RI508 $char1. RI509 $char1. RI510 $char1.
RI511 $char1. RI512 $char1. RI513 $char1. RI514 $char1. RI525 $char1. RI552 $char1. RI570 $char1. RI526 $char1.
RI527 $char1. RI528 $char1. RI529 $char1. RI530 $char1. RI531 $char1. RI532 $char1. RI533 $char1. RI534 $char1.
RI535 $char1. RI536 $char1. RI537 $char1. RI538 $char1. RI539 $char1. RI540 $char1. RI541 $char1. RI542 $char1.
RI543 $char1. RI544 $char1. RI545 $char1. RI546 $char1. RI547 $char1. RI548 $char1. RI549 $char1. RI550 $char1.
RI551 $char1. RI328 $char1. SPACES  3.;

Run;
```

IV. SAS Program to Load 1987 Total Fleet Database, BIGTRUCK.DAT, for Analysis

```
Data TIUS;

* Comment - This program loads the database into the computer's working memory.  After loading the database,
different data analysis procedures can be performed on the data. ;

Infile 'd:\tius87\bigtruck.dat' lrecl=424;

Input

LINKID 11. FIPST   2. SAMTYP  1. EXPFAC  6.2 MAKE   2. MDLYR   2. WHNACQ  2. OBTAIN  1. HOWLEA  1.
HWLONG  1. TYPLEA1 1. TYPLEA2 1. TYPLEA3 1. TYPLEA4 1. TYPLEA5 1. TYPLEA6 1. TYPLEA7 1.
STLOWN  1. OWNLES  1. DISPOZ  4. HOWRID  1. LEAOUT  1. HLSOUT  1. LLEOUT  1. TLSOUT1 1.
TLSOUT2 1. TLSOUT3 1. TLSOUT4 1. TLSOUT5 1. TLSOUT6 1. TLSOUT7 1. BODTYP  2. LENGTH  3.
EMPWGT  5. AVGWGT  6. MAXWGT  6. PCARSZ  3. PCARWT  3. NAXLES  1. LIFTAX  1. DRAXLS  1.
VEHTYP  1. TRLATT  1. PCTPUL  3. AXONTU  1. LOADWT  5. LAXTRL  1. WTHTRL  3. SINGLE  1.
DOUBLE  1. TRIPLE  1. STTRFT  1. UTLTRL  1. OTHTRL  1. PCNTNR  3. PPGIGY  3. CABTYP  1. ENGTYP  1.
ENGSZE  1. HRSPWR  2. CID     2. BRAKES  1. AERODN  1. AXLRAT  1. ECOENG  1. REFLCT  1. RADIAL  1.
GOVNOR  1. VARFAN  1. OTHFUL  1. PWRSTR  1. AIRCON  1. ENGRET  1. EVMS    1. EVIS    1. RECRDR  1.
NAVSYS  1. FRNWH   1. GMSELF  1. GMCOMP  1. GMDEAL  1. GMLEAS  1. GMGARG  1. GMDIST  1.
GMNONE  1. GMOTHR  1. OVSELF  1. OVCOMP  1. OVDEAL  1. OVLEAS  1. OVGARG  1.
OVDIST  1. OVNONE  1. OVOTHR  1. ANNMIL  6. LTMIL   7. MPG     3.1 BASTAT $char2. MSAIO   1.
POBAST  3. POFFRD  3. PLOCAL  3. PSHORT  3. PLONG   3. OPCLAS  1. PPTRAN  3. PBUS    3. PFORHR  3.
ICCREG  1. OPTYP   1. PMOCAR  3. PINDEP  3. PLEASE  3. JURISD  1. PINTER  3. PINTRA  3. PLCAL   3.
TYPCAR  1. PCONTR  3. PCOMON  3. PEXEMT  3. MAJUSE  2. HAZMAT  1. FLAMLQ  1. COMBLQ  1.
CORRLQ  1. POISNBS 1. POISNBL 1. FLAMS   1. OXIDZS  1. FLMGAS  1. NFLGAS  1. POISNA  1.
CORRSL  1. EXPLSV  1. BLSAGT  1. RADMAT  1. ORMABC  1. ORME    1. HMOTHR  1. PHAZMAT 1.
LVANML  3. FARMPD  3. PRFOOD  3. MINPRO  3. BLDGMA  3. LOGPRO  3. LUMBER  3. PAPER   3. CHEM
3. PETROL  3. PLASTK  3. PRIMTL  3. FABMTL  3. MACHINE 3. TEQUIP  3. FURN    3. GLASS   3. TEXTIL  3.
MSCMFG  3. MOVING  3. TOOLS   3. MXDCAR  3. REFUSE  3. INDWTR  3. HWASTE  3. OTHER   3. PNOLOD
3. PPSTRN  3. NONUSE  3. ACCDNT  1. NFATAL  1. BODINJ  1. PRPDAM  1. FLTSZE  1. AXLRE   2. PRNPRO
2. AREAOP  1. TIUGVW  2. VEHSZE  1.;

Run;
```

V. SAS Program to Load 1987 5-Axles or More Truck Fleet Database, VEHGRP.DAT, for Analysis

```
Data TIUS;

* Comment - This program loads the database into the computer's working memory.  After loading the database,
different data analysis procedures can be performed on the data. ;

File 'd:\tius87\vehgrp.dat' lrecl=424;

Input

LINKID 11. FIPST   2. SAMTYP  1. EXPFAC  6.2 MAKE   2. MDLYR   2. WHNACQ  2. OBTAIN  1. HOWLEA  1.
HWLONG  1. TYPLEA1 1. TYPLEA2 1. TYPLEA3 1. TYPLEA4 1. TYPLEA5 1. TYPLEA6 1. TYPLEA7 1.
STLOWN  1. OWNLES  1. DISPOZ  4. HOWRID  1. LEAOUT  1. HLSOUT  1. LLEOUT  1. TLSOUT1 1.
TLSOUT2 1. TLSOUT3 1. TLSOUT4 1. TLSOUT5 1. TLSOUT6 1. TLSOUT7 1. BODTYP  2. LENGTH  3.
EMPWGT  5. AVGWGT  6. MAXWGT  6. PCARSZ  3. PCARWT  3. NAXLES  1. LIFTAX  1. DRAXLS  1.
VEHTYP  1. TRLATT  1. PCTPUL  3. AXONTU  1. LOADWT  5. LAXTRL  1. WTHTRL  3. SINGLE  1.
DOUBLE  1. TRIPLE  1. STTRFT  1. UTLTRL  1. OTHTRL  1. PCNTNR  3. PPGIGY  3. CABTYP  1. ENGTYP  1.
ENGSZE  1. HRSPWR  2. CID     2. BRAKES  1. AERODN  1. AXLRAT  1. ECOENG  1. REFLCT  1. RADIAL  1.
GOVNOR  1. VARFAN  1. OTHFUL  1. PWRSTR  1. AIRCON  1. ENGRET  1. EVMS    1. EVIS    1. RECRDR  1.
NAVSYS  1. FRNWH   1. GMSELF  1. GMCOMP  1. GMDEAL  1. GMLEAS  1. GMGARG  1. GMDIST  1.
GMNONE  1. GMOTHR  1. OVSELF  1. OVCOMP  1. OVDEAL  1. OVLEAS  1. OVGARG  1.
OVDIST  1. OVNONE  1. OVOTHR  1. ANNMIL  6. LTMIL   7. MPG     3.1 BASTAT $char2. MSAIO   1.
POBAST  3. POFFRD  3. PLOCAL  3. PSHORT  3. PLONG   3. OPCLAS  1. PPTRAN  3. PBUS    3. PFORHR  3.
ICCREG  1. OPTYP   1. PMOCAR  3. PINDEP  3. PLEASE  3. JURISD  1. PINTER  3. PINTRA  3. PLCAL   3.
TYPCAR  1. PCONTR  3. PCOMON  3. PEXEMT  3. MAJUSE  2. HAZMAT  1. FLAMLQ  1. COMBLQ  1.
CORRLQ  1. POISNBS 1. POISNBL 1. FLAMS   1. OXIDZS  1. FLMGAS  1. NFLGAS  1. POISNA  1.
CORRSL  1. EXPLSV  1. BLSAGT  1. RADMAT  1. ORMABC  1. ORME    1. HMOTHR  1. PHAZMAT 1.
LVANML  3. FARMPD  3. PRFOOD  3. MINPRO  3. BLDGMA  3. LOGPRO  3. LUMBER  3. PAPER   3. CHEM
3. PETROL  3. PLASTK  3. PRIMTL  3. FABMTL  3. MACHINE 3. TEQUIP  3. FURN    3. GLASS   3. TEXTIL  3.
MSCMFG  3. MOVING  3. TOOLS   3. MXDCAR  3. REFUSE  3. INDWTR  3. HWASTE  3. OTHER   3. PNOLOD
3. PPSTRN  3. NONUSE  3. ACCDNT  1. NFATAL  1. BODINJ  1. PRPDAM  1. FLTSZE  1. AXLRE   2. PRNPRO
2. AREAOP  1. TIUGVW  2. VEHSZE  1. VEHGRP 2. ;

Run;
```

VI. SAS Code to Create a Region Variable for Data Analysis

```
* Comment - Load database first;

* Create a temporary SAS dataset, Regions, from the TIUS database (where TIUS refers to the data set loaded into
memory) that will contain the new variable REGION ;

Data Regions;
  Set TIUS;

If 16<FIPST<21 or FIPST=26 or FIPST=27 or FIPST=29 or FIPST=31 or FIPST=38 or FIPST=39
  or FIPST=46 or FIPST=55 then
  REGION='NC';

Else If FIPST=9 or FIPST=23 or FIPST=25 or FIPST=33 or FIPST=44 or FIPST=50
  or FIPST=34 or FIPST=36 or FIPST=42 then
  REGION='NE';

Else If FIPST=10 or FIPST=11 or FIPST=12 or FIPST=13 or FIPST=24 or FIPST=37
   or FIPST=45 or FIPST=51 or FIPST=54 then
  REGION='SA';

Else If FIPST=1 or FIPST=5 or FIPST=21 or FIPST=22 or FIPST=28 or FIPST=40
   or FIPST=47 or FIPST=48 then
  REGION='SG';

Else If FIPST=2 or FIPST=4 or FIPST=6 or FIPST=8 or FIPST=15 or FIPST=30
  or FIPST=32 or FIPST=49 or FIPST=53 or FIPST=56 or FIPST=16 or FIPST=35 or FIPST=41 then
  REGION='W';

Run;
```

VII. SAS Code Used to Create Frequency Tables and to Generate Means

Frequency Tables for Population

Frequency tables were generated in our analysis to determine the number of vehicles in a particular category. For example, a table which gives the number of vehicles in the nation that are in each of the 8 vehicle groups can be generated by using the frequency procedure in SAS.

General Format

```
Proc freq data=dataset name;
  Table Variable1*Variable2*Variable3;
   Weight Variable;
   Run;
```

Example of SAS Code to Generate Table of Number of Vehicles in Each Vehicle Group for Each Region

```
Proc freq data=Regions;
  Table VEHGRP*REGION;
  Weight EXPFAC;
   Run;
```

Frequency Tables for Sample

Frequency tables were also derived to determine the number of data records available for a particular category. The SAS code is similar to the previous description; however, the 'Weight EXPFAC' statement, which indicates the number of vehicles in the population that one record represents, is removed. For example, if we wanted to know the number of records used to derive the table of the number of vehicles in the nation that are in each of the 8 vehicle groups for each region, we would generate a frequency table based on the unweighted sample data.

Example of SAS Code to Generate Table of Number of Sample Records in each Vehicle Group for Each Region

```
Proc freq data=Regions;
  Table VEHGRP*REGION;
   Run;
```

Means and Standard Deviation

In summarizing the general characteristics of a certain vehicle type in the truck population, the mean and standard deviation are useful measures. There are two procedures in SAS for generating means: the Proc Means and the Proc GLM procedures. In each procedure, the 'Freq EXPFAC' statement is added in order to weight the sample data in order to reflect the population. For example, if a record has 40,000 miles as its annual miles travelled and its EXPFAC=10, then this record states that 10 vehicles in the population have annual VMTs of 40,000 miles.

One should be aware that in both these procedures the 'Freq EXPFAC' statement will only accept integer values. If a real number is given, the procedure will only use the integer part of the number. EXPFAC is a real number with values out to the two decimal places. In our analysis, we did not want the EXPFAC to be truncated, so we multiplied the EXPFAC for every record by 100, in order to shift the information in the two decimal places over into the integer part of

the number. Then we generated the means using this new EXPFAC. In the results, the population sizes associated with the means will be off by a factor of 100. Dividing the population sizes by 100 will give the true sizes.

General Format for Proc Sort Before running the Proc Means procedure, the Proc Sort procedure may have to be used to reorganize the data for analysis.

```
Proc Sort data=dataset name;
  By Variable list;
  Run;
```

General Format for Proc Means

```
Proc Means data=dataset name;
 Var Variable list;
  By Variable list;
  Freq Variable;
  Run;
```

Example of Proc Means Procedure to Generate Mean VMT for Each Body Type Group

```
Proc Sort data=TIUS;
  By BODTYP;
Proc Means data=TIUS;
 Variable ANNMIL;
  By  BODTYP;
  Freq EXPFAC;
  Run;
```

General Format for Proc GLM

```
Proc GLM data=dataset name;
 Class Variables;
  Model Dependent-Variable = Independent-Variables;
 Means Variables;
  Freq Variable;
  Run;
```

Example of Proc GLM procedure to Generate Mean VMT for Each Body Type Group

```
Proc GLM data=TIUS;
 Class BODTYP;
  Model ANNMIL = BODTYP;
 Means BODTYP;
  Freq EXPFAC;
  Run;
```

Creating External Subset Databases

Because the original TIUS data set, ti92mdf.dat, contained vehicles that were not of interest to this study, a new database containing a subset of the original TIUS data was created for analysis. Two databases were created. One that contained the *total fleet* of large vehicles (which was called bigtruck.dat) as defined in the report (Section I), and another that contained only the *5-axles or more truck fleet* which was called vehgrp.dat (Section II).

Loading the External Databases

The information in the TIUS database is in ASCII format. The variables are column defined. The Data Dictionary that was provided with the TIUS documentation defines which variables are associated with which columns. This information is used to write the data input format statement used by SAS to read in the data.

Section III, IV, and V give the SAS code used to read in the different databases. Note that the computer pathnames will differ depending on where the files are located on your PC. After reading in a database, this database is stored in the working memory of the computer. Various procedures can be performed on this data set such as creating temporary subsets of the data for analysis, creating or redefining a variable, or generating statistics on the data.

Creating SAS Internal Subsets

During the analysis, temporary subsets of the data were created. Examples of temporary data sets included: a data set which defined the region that a vehicle was registered in (Section VI), or a data set containing only information on 3-S2s. By creating temporary data sets, you insure that nonrelevant data are not included. It simplies the SAS procedure statements which are written to perform different analyzes. In addition, if you are running SAS for the PC, creating subsets will increase your processing time.

Expansion Factor

The TIUS database is just a statistical sample of the entire truck population. This small sample tries to characterize the larger population; however, it should be remembered that all statistics based on this sample are just estimates of the larger population characteristics. In order to make conclusions about the entire truck population based on this sample, each surveyed truck in the sample is associated with *n*-number of vehicles in the population. This is called the weighting factor or expansion factor, EXPANF, for a record. This EXPANF is not a constant number. The EXPANF differs by state and vehicle type.

Simple Statistics

In this analysis, our focus was on determining the number of vehicles in a particular category of characteristics and on obtaining means of such characteristics as weight and VMT. Frequency tables were generated to indicate the number of vehicles in a category. Some of these frequency tables were imported into Microsoft's Excel program, and the data was plotted.

I. SAS Program to Create Subset Database of Large Vehicles Only (Referred to in the paper as the 1992 Total Fleet)

```
Data _Null_;

* Comment - This program creates an external subset database, bigtruck.dat, from the original 1992 TIUS database,
ti92mdf.dat. This subset database excludes 2-axle 4-tire vehicles (NAXLES=1), and vehicles with the following body
types: pick-up (BODTYP=1), sport utility (BODTYP=24), station wagon (BODTYP=25), and mini-van
(BODTYP=26),. ;

* Comment - The decimal specifications for the variables EXPANF and MPG were removed in the formatting
information for copying purposes only. ;

Infile 'd:\tius\tools\ti92mdf.dat' lrecl=648;

Input

LINKID 1-11 FIPST 12-13 SAMTYP 14 EXPANF 15-21 MAKE 22-23 MDLYR 24-25 ACQMON 26-27 ACQYR
28-29 OBTAIN 30 HOWLEA 31 HWLONG 32 TLFIN 33 TLFM 34 TLSPM 35 TLTAX 36 TLOLP 37 TLREC 38
TLOTH 39 STLOWN 40 OWNLES 41 DISPOZ 42 DISMON 43-44 DISYR 45-46 HOWRID 47 LEAOUT 48
HLSOUT 49 LLEOUT 50 LOFIN 51 LOFM 52 LOSPM 53 LOTAX 54 LOOLP 55 LOREC 56 LOOTH 57 BODTYP
58-59 NAXLES 60 LIFTAX 61 DRAXLS 62 VEHTYP 63 TOTLEN 64-65 TRLATT 66 TRAILST 67 TRAILTT 68-
69 TRLNGTH 70 PNOTRL 71-73 PTRLATT 74-76 PCNTNR 77-79 PPIGY 80-82 PCONVTR 83-85 FSTTRL 86
SNDTRL 87 THDTRL 88 AXONTU 89 WIDTH 90 EMPCK 91 EMPWT 92-97 AVGCK 98 AVGWT 99-104
MAXWT 105-110 CABTYP 111 ENGTYP 112 PKENGSZE 113 PKCID 114-115 REFUEL 116 BRAKES 117
ALBRAKES 118 AERODN 119 AXLRAT 120 ECOENG 121 REFLCT 122 RADIAL 123 GOVNOR 124 VARFAN
125 OTHFUEL 126 PWSTR 127 AIRCON 128 ENGRET 129 EVMS 130 EVIS 131 RECRDR 132 NAVSYS 133
FRNWHD 134 VCAIDS 135 WCLIFT 136 GMSELF 137 GMCOMP 138 GMDEAL 139 GMLEAS 140 GMGARG
141 GMDIST 142 GMNONE 143 GMOTHR 144 OVSELF 145 OVCOMP 146 OVDEAL 147 OVLEAS 148
OVGARG 149 OVDIST 150 OVNONE 151 OVOTHR 152 WKSOP 153-154 ANNMIL 155-160 LTMIL 161-167
MPGBOTH 168-172 BASTATE 173-174 MSAIO 175 TYPHB 176 POBAST 177-179 POFFRD 180-182 PLOCAL
183-185 PSHORT 186-188 PSMED 189-191 PLMED 192-194 PLONG 195-197 OPCLAS 198 PBUS 199-201
PPTRAN 202-204 PFORHR 205-207 OPTYP 208 PMOCAR 209-211 PINDEP 212-214 PLEASE 215-217 PPRIV
218-220 PFHOP 221-223 JURISD 224 PINTER 225-227 PINTRA 228-230 PLOCJUR 231-233 TYPCAR 234
PCONTR 235-237 PCOMON 238-240 PEXEMT 241-243 TYPSER 244 PTKLOD 245-247 PLESTL 248-250
ICCREG 251 MAJUSE 252-253 PNOLOD 254-256 PASSEN 257-259 LVANML 260-262 FARMPD 263-265
PRFOOD 266-268 ANFEED 269-271 MINPRO 272-274 BLDGMA 275-277 LOGPRO 278-280 LUMBER 281-283
PAPER 284-286 CHEM 287-289 PETROL 290-292 PLASTK 293-295 PRIMTL 296-298 FABMTL 299-301
MACHNE 302-304 TEQUIP 305-307 FURN 308-310 GLASS 311-313 TEXTIL 314-316 MSCMFG 317-319
MOVING 320-322 TOOLS 323-325 MXDCAR 326-328 REFUSE 329-331 INDWTR 332-334 HAZEPA 335-337
HAZNEPA 338-340 RECYCLE 341-343 OTHPROD 344-346 HAZMAT 347 EXP11 348-350 EXP12 351-353
EXP13 354-356 EXP14 357-359 EXP15 360-362 EXP16 363-365 FLMGAS 366-368 NFLGAS 369-371 PSNGAS
372-374 FLAMBLE 375-377 COMBUST 378-380 FLAMSOL 381-383 SPONCBST 384-386 DANGWW 387-389
OXIDIZS 390-392 OXYGEN 393-395 ORGPER 396-398 POISON 399-401 KPFOOD 402-404 RADMAT 405-407
CORROS 408-410 CLASS9 411-413 FLTSZE 414-415 AXLRE 416-417 PRNPRO 418-419 AREAOP 420
TIUGVW 421-422 PKGVW 423 PKRWGT 424-429 VEHSZE 430;

File 'd:\tius92\bigtruck.dat' lrecl=648;

If naxles>1 and Bodtyp NE 1 and Bodtyp NE 24 and Bodtyp NE 25 and Bodtyp NE 26 then

Put
```

LINKID 1-11 FIPST 12-13 SAMTYP 14 EXPANF 15-21 MAKE 22-23 MDLYR 24-25 ACQMON 26-27 ACQYR 28-29 OBTAIN 30 HOWLEA 31 HWLONG 32 TLFIN 33 TLFM 34 TLSPM 35 TLTAX 36 TLOLP 37 TLREC 38 TLOTH 39 STLOWN 40 OWNLES 41 DISPOZ 42 DISMON 43-44 DISYR 45-46 HOWRID 47 LEAOUT 48 HLSOUT 49 LLEOUT 50 LOFIN 51 LOFM 52 LOSPM 53 LOTAX 54 LOOLP 55 LOREC 56 LOOTH 57 BODTYP 58-59 NAXLES 60 LIFTAX 61 DRAXLS 62 VEHTYP 63 TOTLEN 64-65 TRLATT 66 TRAILST 67 TRAILTT 68-69 TRLNGTH 70 PNOTRL 71-73 PTRLATT 74-76 PCNTNR 77-79 PPIGY 80-82 PCONVTR 83-85 FSTTRL 86 SNDTRL 87 THDTRL 88 AXONTU 89 WIDTH 90 EMPCK 91 EMPWT 92-97 AVGCK 98 AVGWT 99-104 MAXWT 105-110 CABTYP 111 ENGTYP 112 PKENGSZE 113 PKCID 114-115 REFUEL 116 BRAKES 117 ALBRAKES 118 AERODN 119 AXLRAT 120 ECOENG 121 REFLCT 122 RADIAL 123 GOVNOR 124 VARFAN 125 OTHFUEL 126 PWSTR 127 AIRCON 128 ENGRET 129 EVMS 130 EVIS 131 RECRDR 132 NAVSYS 133 FRNWHD 134 VCAIDS 135 WCLIFT 136 GMSELF 137 GMCOMP 138 GMDEAL 139 GMLEAS 140 GMGARG 141 GMDIST 142 GMNONE 143 GMOTHR 144 OVSELF 145 OVCOMP 146 OVDEAL 147
OVLEAS 148 OVGARG 149 OVDIST 150 OVNONE 151 OVOTHR 152 WKSOP 153-154 ANNMIL 155-160 LTMIL 161-167 MPGBOTH 168-172 BASTATE 173-174 MSAIO 175 TYPHB 176 POBAST 177-179 POFFRD 180-182 PLOCAL 183-185 PSHORT 186-188 PSMED 189-191 PLMED 192-194 PLONG 195-197 OPCLAS 198 PBUS 199-201 PPTRAN 202-204 PFORHR 205-207 OPTYP 208 PMOCAR 209-211 PINDEP 212-214 PLEASE 215-217 PPRIV 218-220 PFHOP 221-223
JURISD 224 PINTER 225-227 PINTRA 228-230 PLOCJUR 231-233 TYPCAR 234 PCONTR 235-237 PCOMON 238-240 PEXEMT 241-243 TYPSER 244 PTKLOD 245-247 PLESTL 248-250 ICCREG 251 MAJUSE 252-253 PNOLOD 254-256 PASSEN 257-259 LVANML 260-262 FARMPD 263-265 PRFOOD 266-268 ANFEED 269-271 MINPRO 272-274 BLDGMA 275-277 LOGPRO 278-280 UMBER 281-283 PAPER 284-286 CHEM 287-289 PETROL 290-292 PLASTK 293-295 PRIMTL 296-298 FABMTL 299-301 MACHNE 302-304 TEQUIP 305-307 FURN 308-310 GLASS 311-313 TEXTIL 314-316 MSCMFG 317-319 MOVING 320-322 TOOLS 323-325 MXDCAR 326-328 REFUSE 329-331 INDWTR 332-334 HAZEPA 335-337 HAZNEPA 338-340 RECYCLE 341-343 OTHPROD 344-346 HAZMAT 347 EXP11 348-350 EXP12 351-353 EXP13 354-356 EXP14 357-359 EXP15 360-362 EXP16 363-365 FLMGAS 366-368 NFLGAS 369-371 PSNGAS 372-374 FLAMBLE 375-377 COMBUST 378-380 FLAMSOL 381-383 SPONCBST 384-386 DANGWW 387-389 OXIDIZS 390-392 OXYGEN 393-395 ORGPER 396-398 POISON 399-401 KPFOOD 402-404 RADMAT 405-407 CORROS 408-410 CLASS9 411-413 FLTSZE 414-415 AXLRE 416-417 PRNPRO 418-419 AREAOP 420 TIUGVW 421-422 PKGVW 423 PKRWGT 424-429 VEHSZE 430;

Run;

II. SAS Program to Create Subset Database of the 1992 5-Axles or More Truck Fleet

```
Data _null_;

* Comment - This program creates an external subset database, vehgrp.dat, from the total fleet database, bigtruck.dat.
This subset database excludes truck (or tractor) and/or trailer combinations whose total number of axles is less than 5 in
addition to truck-trailer combinations where the trailer has 1-axle. ;

Infile 'd:\tius92\bigtruck.dat' lrecl=648;

Input
LINKID 1-11 FIPST 12-13 SAMTYP 14 EXPANF 15-21 MAKE 22-23 MDLYR 24-25 ACQMON 26-27 ACQYR
28-29 OBTAIN 30 HOWLEA 31 HWLONG 32 TLFIN 33 TLFM 34 TLSPM 35 TLTAX 36 TLOLP 37 TLREC 38
TLOTH 39 STLOWN 40 OWNLES 41 DISPOZ 42 DISMON 43-44 DISYR 45-46 HOWRID 47 LEAOUT 48
HLSOUT 49 LLEOUT 50 LOFIN 51 LOFM 52 LOSPM 53
LOTAX 54 LOOLP 55 LOREC 56 LOOTH 57 BODTYP 58-59 NAXLES 60 LIFTAX 61 DRAXLS 62 VEHTYP 63
TOTLEN 64-65 TRLATT 66 TRAILST 67 TRAILTT 68-69 TRLNGTH 70 PNOTRL 71-73
PTRLATT 74-76 PCNTNR 77-79 PPIGY 80-82 PCONVTR 83-85 FSTTRL 86 SNDTRL 87 THDTRL 88 AXONTU
89 WIDTH 90 EMPCK 91 EMPWT 92-97 AVGCK 98 AVGWT 99-104 MAXWT 105-110
CABTYP 111 ENGTYP 112 PKENGSZE 113 PKCID 114-115 REFUEL 116 BRAKES 117 ALBRAKES 118
AERODN 119 AXLRAT 120 ECOENG 121 REFLCT 122 RADIAL 123 GOVNOR 124 VARFAN 125 OTHFUEL
126 PWSTR 127 AIRCON 128 ENGRET 129 EVMS 130 EVIS 131 RECRDR 132 NAVSYS 133 FRNWHD 134
VCAIDS 135 WCLIFT 136 GMSELF 137 GMCOMP 138 GMDEAL 139 GMLEAS 140 GMGARG 141 GMDIST
142 GMNONE 143 GMOTHR 144 OVSELF 145 OVCOMP 146 OVDEAL 147 OVLEAS 148 OVGARG 149
OVDIST 150 OVNONE 151 OVOTHR 152 WKSOP 153-154 ANNMIL 155-160 LTMIL 161-167 MPGBOTH 168-
172 BASTATE 173-174 MSAIO 175 TYPHB 176 POBAST 177-179 POFFRD 180-182 PLOCAL 183-185 PSHORT
186-188 PSMED 189-191 PLMED 192-194 PLONG 195-197 OPCLAS 198 PBUS 199-201 PPTRAN 202-204
PFORHR 205-207 OPTYP 208 PMOCAR 209-211 PINDEP 212-214 PLEASE 215-217 PPRIV 218-220 PFHOP
221-223
JURISD 224 PINTER 225-227 PINTRA 228-230 PLOCJUR 231-233 TYPCAR 234 PCONTR 235-237 PCOMON
238-240 PEXEMT 241-243 TYPSER 244 PTKLOD 245-247 PLESTL 248-250 ICCREG 251 MAJUSE 252-253
PNOLOD 254-256 PASSEN 257-259 LVANML 260-262 FARMPD 263-265 PRFOOD 266-268 ANFEED 269-271
MINPRO 272-274 BLDGMA 275-277 LOGPRO 278-280 LUMBER 281-283 PAPER 284-286 CHEM 287-289
PETROL 290-292 PLASTK 293-295 PRIMTL 296-298 FABMTL 299-301 MACHNE 302-304 TEQUIP 305-307
FURN 308-310 GLASS 311-313 TEXTIL 314-316 MSCMFG 317-319 MOVING 320-322 TOOLS 323-325
MXDCAR 326-328 REFUSE 329-331 INDWTR 332-334 HAZEPA 335-337 HAZNEPA 338-340 RECYCLE 341-
343 OTHPROD 344-346 HAZMAT 347 EXP11 348-350 EXP12 351-353 EXP13 354-356 EXP14 357-359 EXP15
360-362 EXP16 363-365 FLMGAS 366-368 NFLGAS 369-371 PSNGAS 372-374 FLAMBLE 375-377 COMBUST
378-380 FLAMSOL 381-383 SPONCBST 384-386 DANGWW 387-389 OXIDIZS 390-392 OXYGEN 393-395
ORGPER 396-398 POISON 399-401 KPFOOD 402-404 RADMAT 405-407 CORROS 408-410 CLASS9 411-413
FLTSZE 414-415 AXLRE 416-417 PRNPRO 418-419 AREAOP 420 TIUGVW 421-422 PKGVW 423 PKRWGT
424-429 VEHSZE 430;

* Comment - Create a new variable, VEHGRP, to define the vehicle group that the registered vehicle belongs in. Use
the AXLRE variable which defines the configuration that the vehicle travels in most often.
VEHGRP: (1) - Truck + Trailer at 5-axles, (2) - Truck + Trailer at 6-axles, (3) 3-S2, (4) Tridem axle Semitrailer, (5)
4S1/S2, (6) 2-S1-2, (7) Doubles at 6-axles or more, (8) triples. ;

If axlre=10 or axlre=12 or axlre=21 or axlre=23  then
  VehGrp = 1;
If 23<axlre<29 or axlre=13 or axlre=15 or axlre=16 or axlre=22 then
  VehGrp=2;
```

```
If axlre=36 then
  VehGrp=3;
If axlre=34 or axlre=37  or axlre=40 then
  VehGrp=4;
If axlre=38 or axlre=39 then
  VehGrp=5;
If axlre=45 then
  VehGrp=6;
If 45<axlre<57 then
  VehGrp=7;
If 60<axlre<73 then
  VehGrp=8;

File  'd:\tius92\vehgrp.dat' lrecl=648;
* Only copy 5-axles or more truck fleet records to the new database;

If axlre=10 or axlre=12 or axlre=13 or axlre=15 or axlre=16 or 20<axlre<29 or axlre=34 or 35<axlre<41or
44<axlre<57 or 60<axlre<73 then
 Put
LINKID 1-11 FIPST 12-13 SAMTYP 14 EXPANF 15-21  MAKE 22-23 MDLYR 24-25 ACQMON 26-27 ACQYR
28-29 OBTAIN 30 HOWLEA 31 HWLONG 32 TLFIN 33 TLFM 34 TLSPM 35 TLTAX 36 TLOLP 37 TLREC 38
TLOTH 39 STLOWN 40 OWNLES 41 DISPOZ 42 DISMON 43-44 DISYR 45-46 HOWRID 47 LEAOUT 48
HLSOUT 49 LLEOUT 50 LOFIN 51 LOFM 52 LOSPM 53 LOTAX 54 LOOLP 55 LOREC 56 LOOTH 57 BODTYP
58-59 NAXLES 60 LIFTAX 61 DRAXLS 62 VEHTYP 63 TOTLEN 64-65 TRLATT 66 TRAILST 67 TRAILTT 68-
69 TRLNGTH 70 PNOTRL 71-73 PTRLATT 74-76 PCNTNR 77-79 PPIGY 80-82 PCONVTR 83-85 FSTTRL 86
SNDTRL 87 THDTRL 88 AXONTU 89 WIDTH 90 EMPCK 91 EMPWT 92-97 AVGCK 98 AVGWT 99-104
MAXWT 105-110
CABTYP 111 ENGTYP 112 PKENGSZE 113 PKCID 114-115 REFUEL 116 BRAKES 117 ALBRAKES 118
AERODN 119 AXLRAT 120 ECOENG 121 REFLCT 122 RADIAL 123 GOVNOR 124 VARFAN 125 OTHFUEL
126 PWSTR 127 AIRCON 128 ENGRET 129 EVMS 130 EVIS 131 RECRDR 132 NAVSYS 133 FRNWHD 134
VCAIDS 135 WCLIFT 136 GMSELF 137 GMCOMP 138 GMDEAL 139 GMLEAS 140 GMGARG 141 GMDIST
142 GMNONE 143 GMOTHR 144 OVSELF 145 OVCOMP 146 OVDEAL 147 OVLEAS 148 OVGARG 149
OVDIST 150 OVNONE 151 OVOTHR 152 WKSOP 153-154 ANNMIL 155-160 LTMIL 161-167 MPGBOTH 168-
172 BASTATE 173-174 MSAIO 175 TYPHB 176 POBAST 177-179 POFFRD 180-182 PLOCAL 183-185 PSHORT
186-188 PSMED 189-191 PLMED 192-194 PLONG 195-197 OPCLAS 198 PBUS 199-201 PPTRAN 202-204
PFORHR 205-207 OPTYP 208 PMOCAR 209-211 PINDEP 212-214 PLEASE 215-217 PPRIV 218-220 PFHOP
221-223
JURISD 224 PINTER 225-227 PINTRA 228-230 PLOCJUR 231-233 TYPCAR 234 PCONTR 235-237 PCOMON
238-240 PEXEMT 241-243 TYPSER 244 PTKLOD 245-247 PLESTL 248-250 ICCREG 251 MAJUSE 252-253
PNOLOD 254-256 PASSEN 257-259 LVANML 260-262 FARMPD 263-265 PRFOOD 266-268 ANFEED 269-271
MINPRO 272-274 BLDGMA 275-277 LOGPRO 278-280 LUMBER 281-283 PAPER 284-286 CHEM 287-289
PETROL 290-292 PLASTK 293-295 PRIMTL 296-298 FABMTL 299-301 MACHNE 302-304 TEQUIP 305-307
FURN 308-310 GLASS 311-313 TEXTIL 314-316 MSCMFG 317-319 MOVING 320-322 TOOLS 323-325
MXDCAR 326-328 REFUSE 329-331 INDWTR 332-334 HAZEPA 335-337 HAZNEPA 338-340 RECYCLE 341-
343 OTHPROD 344-346 HAZMAT 347 EXP11 348-350 EXP12 351-353 EXP13 354-356 EXP14 357-359 EXP15
360-362 EXP16 363-365 FLMGAS 366-368 NFLGAS 369-371 PSNGAS 372-374 FLAMBLE 375-377 COMBUST
378-380 FLAMSOL 381-383 SPONCBST 384-386 DANGWW 387-389 OXIDIZS 390-392 OXYGEN 393-395
ORGPER 396-398 POISON 399-401 KPFOOD 402-404 RADMAT 405-407 CORROS 408-410 CLASS9 411-413
FLTSZE 414-415 AXLRE 416-417 PRNPRO 418-419 AREAOP 420 TIUGVW 421-422 PKGVW 423 PKRWGT
424-429 VEHSZE 430  VEHGRP 431-432;Run;
```

III. SAS Program to Load 1992 TIUS Database, TI92MDF.DAT, for Analysis

```
Data TIUS;

* Comment - This program loads the database into the computer's working memory.  After loading the database,
different data analysis procedures can be performed on the data. ;

Infile 'd:\tius\tools\ti92mdf.dat' lrecl=648;

Input

LINKID 1-11 FIPST 12-13 SAMTYP 14 EXPANF 15-21 MAKE 22-23 MDLYR 24-25 ACQMON 26-27 ACQYR
28-29 OBTAIN 30 HOWLEA 31 HWLONG 32 TLFIN 33 TLFM 34 TLSPM 35 TLTAX 36 TLOLP 37 TLREC 38
TLOTH 39 STLOWN 40 OWNLES 41 DISPOZ 42 DISMON 43-44 DISYR 45-46 HOWRID 47 LEAOUT 48
HLSOUT 49 LLEOUT 50 LOFIN 51 LOFM 52 LOSPM 53 LOTAX 54 LOOLP 55 LOREC 56 LOOTH 57 BODTYP
58-59 NAXLES 60 LIFTAX 61 DRAXLS 62 VEHTYP 63 TOTLEN 64-65 TRLATT 66 TRAILST 67 TRAILTT 68-
69 TRLNGTH 70 PNOTRL 71-73 PTRLATT 74-76 PCNTNR 77-79 PPIGY 80-82 PCONVTR 83-85 FSTTRL 86
SNDTRL 87 THDTRL 88 AXONTU 89 WIDTH 90 EMPCK 91 EMPWT 92-97 AVGCK 98 AVGWT 99-104
MAXWT 105-110 CABTYP 111 ENGTYP 112 PKENGSZE 113 PKCID 114-115 REFUEL 116 BRAKES 117
ALBRAKES 118 AERODN 119 AXLRAT 120 ECOENG 121 REFLCT 122 RADIAL 123 GOVNOR 124 VARFAN
125 OTHFUEL 126 PWSTR 127 AIRCON 128 ENGRET 129 EVMS 130 EVIS 131 RECRDR 132 NAVSYS 133
FRNWHD 134 VCAIDS 135 WCLIFT 136 GMSELF 137 GMCOMP 138 GMDEAL 139 GMLEAS 140 GMGARG
141 GMDIST 142 GMNONE 143 GMOTHR 144 OVSELF 145 OVCOMP 146 OVDEAL 147 OVLEAS 148
OVGARG 149 OVDIST 150 OVNONE 151 OVOTHR 152 WKSOP 153-154 ANNMIL 155-160 LTMIL 161-167
MPGBOTH 168-172 BASTATE 173-174 MSAIO 175 TYPHB 176 POBAST 177-179 POFFRD 180-182 PLOCAL
183-185 PSHORT 186-188 PSMED 189-191 PLMED 192-194 PLONG 195-197 OPCLAS 198 PBUS 199-201
PPTRAN 202-204 PFORHR 205-207 OPTYP 208 PMOCAR 209-211 PINDEP 212-214 PLEASE 215-217 PPRIV
218-220 PFHOP 221-223 JURISD 224 PINTER 225-227 PINTRA 228-230 PLOCJUR 231-233 TYPCAR 234
PCONTR 235-237 PCOMON 238-240 PEXEMT 241-243 TYPSER 244 PTKLOD 245-247 PLESTL 248-250
ICCREG 251 MAJUSE 252-253 PNOLOD 254-256 PASSEN 257-259 LVANML 260-262 FARMPD 263-265
PRFOOD 266-268 ANFEED 269-271 MINPRO 272-274 BLDGMA 275-277 LOGPRO 278-280 LUMBER 281-283
PAPER 284-286 CHEM 287-289 PETROL 290-292 PLASTK 293-295 PRIMTL 296-298 FABMTL 299-301
MACHNE 302-304 TEQUIP 305-307 FURN 308-310 GLASS 311-313 TEXTIL 314-316 MSCMFG 317-319
MOVING 320-322 TOOLS 323-325 MXDCAR 326-328 REFUSE 329-331 INDWTR 332-334 HAZEPA 335-337
HAZNEPA 338-340 RECYCLE 341-343 OTHPROD 344-346 HAZMAT 347 EXP11 348-350 EXP12 351-353
EXP13 354-356 EXP14 357-359 EXP15 360-362 EXP16 363-365 FLMGAS 366-368 NFLGAS 369-371 PSNGAS
372-374 FLAMBLE 375-377 COMBUST 378-380 FLAMSOL 381-383 SPONCBST 384-386 DANGWW 387-389
OXIDIZS 390-392 OXYGEN 393-395 ORGPER 396-398 POISON 399-401 KPFOOD 402-404 RADMAT 405-407
CORROS 408-410 CLASS9 411-413 FLTSZE 414-415 AXLRE 416-417 PRNPRO 418-419 AREAOP 420
TIUGVW 421-422 PKGVW 423 PKRWGT 424-429 VEHSZE 430;

Run;
```

IV. SAS Program to Load 1992 Total Fleet Database, BIGTRUCK.DAT, for Analysis

```
Data TIUS;

* Comment - This program loads the database into the computer's working memory.  After loading the database,
different data analysis procedures can be performed on the data. ;

Infile 'd:\tius92\bigtruck.dat' lrecl=648;

Input

LINKID 1-11 FIPST 12-13 SAMTYP 14 EXPANF 15-21 .2 MAKE 22-23 MDLYR 24-25 ACQMON 26-27 ACQYR
28-29 OBTAIN 30 HOWLEA 31 HWLONG 32 TLFIN 33 TLFM 34 TLSPM 35 TLTAX 36 TLOLP 37 TLREC 38
TLOTH 39 STLOWN 40 OWNLES 41 DISPOZ 42 DISMON 43-44 DISYR 45-46 HOWRID 47 LEAOUT 48
HLSOUT 49 LLEOUT 50 LOFIN 51 LOFM 52 LOSPM 53
LOTAX 54 LOOLP 55 LOREC 56 LOOTH 57 BODTYP 58-59 NAXLES 60 LIFTAX 61 DRAXLS 62 VEHTYP 63
TOTLEN 64-65 TRLATT 66 TRAILST 67 TRAILTT 68-69 TRLNGTH 70 PNOTRL 71-73
PTRLATT 74-76 PCNTNR 77-79 PPIGY 80-82 PCONVTR 83-85 FSTTRL 86 SNDTRL 87 THDTRL 88 AXONTU
89 WIDTH 90 EMPCK 91 EMPWT 92-97 AVGCK 98 AVGWT 99-104 MAXWT 105-110
CABTYP 111 ENGTYP 112 PKENGSZE 113 PKCID 114-115 REFUEL 116 BRAKES 117 ALBRAKES 118
AERODN 119 AXLRAT 120 ECOENG 121 REFLCT 122 RADIAL 123 GOVNOR 124 VARFAN 125 OTHFUEL
126 PWSTR 127 AIRCON 128 ENGRET 129 EVMS 130 EVIS 131 RECRDR 132 NAVSYS 133 FRNWHD 134
VCAIDS 135 WCLIFT 136 GMSELF 137 GMCOMP 138 GMDEAL 139 GMLEAS 140 GMGARG 141 GMDIST
142 GMNONE 143 GMOTHR 144 OVSELF 145 OVCOMP 146 OVDEAL 147 OVLEAS 148 OVGARG 149
OVDIST 150 OVNONE 151 OVOTHR 152 WKSOP 153-154 ANNMIL 155-160 LTMIL 161-167 MPGBOTH 168-
172 BASTATE 173-174 MSAIO 175 TYPHB 176 POBAST 177-179 POFFRD 180-182 PLOCAL 183-185 PSHORT
186-188 PSMED 189-191 PLMED 192-194 PLONG 195-197 OPCLAS 198 PBUS 199-201 PPTRAN 202-204
PFORHR 205-207 OPTYP 208 PMOCAR 209-211 PINDEP 212-214 PLEASE 215-217 PPRIV 218-220 PFHOP
221-223
JURISD 224 PINTER 225-227 PINTRA 228-230 PLOCJUR 231-233 TYPCAR 234 PCONTR 235-237 PCOMON
238-240 PEXEMT 241-243 TYPSER 244 PTKLOD 245-247 PLESTL 248-250 ICCREG 251 MAJUSE 252-253
PNOLOD 254-256 PASSEN 257-259 LVANML 260-262 FARMPD 263-265 PRFOOD 266-268 ANFEED 269-271
MINPRO 272-274 BLDGMA 275-277 LOGPRO 278-280 LUMBER 281-283 PAPER 284-286 CHEM 287-289
PETROL 290-292 PLASTK 293-295 PRIMTL 296-298 FABMTL 299-301 MACHNE 302-304 TEQUIP 305-307
FURN 308-310 GLASS 311-313 TEXTIL 314-316 MSCMFG 317-319 MOVING 320-322 TOOLS 323-325
MXDCAR 326-328 REFUSE 329-331 INDWTR 332-334 HAZEPA 335-337 HAZNEPA 338-340 RECYCLE 341-
343 OTHPROD 344-346 HAZMAT 347 EXP11 348-350 EXP12 351-353 EXP13 354-356 EXP14 357-359 EXP15
360-362 EXP16 363-365 FLMGAS 366-368 NFLGAS 369-371 PSNGAS 372-374 FLAMBLE 375-377 COMBUST
378-380 FLAMSOL 381-383 SPONCBST 384-386 DANGWW 387-389 OXIDIZS 390-392 OXYGEN 393-395
ORGPER 396-398 POISON 399-401 KPFOOD 402-404 RADMAT 405-407 CORROS 408-410 CLASS9 411-413
FLTSZE 414-415 AXLRE 416-417 PRNPRO 418-419 AREAOP 420 TIUGVW 421-422 PKGVW 423 PKRWGT
424-429 VEHSZE 430;

Run;
```

V. SAS Program to Load 1992 5-Axles or More Truck Fleet Database, VEHGRP.DAT, for Analysis

```
Data TIUS;

* Comment - This program loads the database into the computer's working memory.  After loading the database,
different data analysis procedures can be performed on the data. ;

Infile  'd:\tius92\vehgrp.dat' lrecl=648;

Input

LINKID 1-11 FIPST 12-13 SAMTYP 14 EXPANF 15-21 .2  MAKE 22-23 MDLYR 24-25 ACQMON 26-27
ACQYR 28-29 OBTAIN 30 HOWLEA 31 HWLONG 32 TLFIN 33 TLFM 34 TLSPM 35 TLTAX 36 TLOLP 37
TLREC 38 TLOTH 39 STLOWN 40 OWNLES 41 DISPOZ 42 DISMON 43-44 DISYR 45-46 HOWRID 47
LEAOUT 48 HLSOUT 49 LLEOUT 50 LOFIN 51 LOFM 52 LOSPM 53
LOTAX 54 LOOLP 55 LOREC 56 LOOTH 57 BODTYP 58-59 NAXLES 60 LIFTAX 61 DRAXLS 62 VEHTYP 63
TOTLEN 64-65 TRLATT 66 TRAILST 67 TRAILTT 68-69 TRLNGTH 70 PNOTRL 71-73
PTRLATT 74-76 PCNTNR 77-79 PPIGY 80-82 PCONVTR 83-85 FSTTRL 86 SNDTRL 87 THDTRL 88 AXONTU
89 WIDTH 90 EMPCK 91 EMPWT 92-97 AVGCK 98 AVGWT 99-104 MAXWT 105-110
CABTYP 111 ENGTYP 112 PKENGSZE 113 PKCID 114-115 REFUEL 116 BRAKES 117 ALBRAKES 118
AERODN 119 AXLRAT 120 ECOENG 121 REFLCT 122 RADIAL 123 GOVNOR 124 VARFAN 125 OTHFUEL
126 PWSTR 127 AIRCON 128 ENGRET 129 EVMS 130 EVIS 131 RECRDR 132 NAVSYS 133 FRNWHD 134
VCAIDS 135 WCLIFT 136 GMSELF 137 GMCOMP 138 GMDEAL 139 GMLEAS 140 GMGARG 141 GMDIST
142 GMNONE 143 GMOTHR 144 OVSELF 145 OVCOMP 146 OVDEAL 147 OVLEAS 148 OVGARG 149
OVDIST 150 OVNONE 151 OVOTHR 152
WKSOP 153-154 ANNMIL 155-160 LTMIL 161-167 MPGBOTH 168-172 BASTATE 173-174 MSAIO 175
TYPHB 176 POBAST 177-179 POFFRD 180-182 PLOCAL 183-185 PSHORT 186-188 PSMED 189-191 PLMED
192-194 PLONG 195-197 OPCLAS 198 PBUS 199-201 PPTRAN 202-204 PFORHR 205-207 OPTYP 208
PMOCAR 209-211 PINDEP 212-214 PLEASE 215-217 PPRIV 218-220 PFHOP 221-223 JURISD 224 PINTER
225-227 PINTRA 228-230 PLOCJUR 231-233 TYPCAR 234 PCONTR 235-237 PCOMON 238-240 PEXEMT 241-
243 TYPSER 244 PTKLOD 245-247 PLESTL 248-250 ICCREG 251 MAJUSE 252-253 PNOLOD 254-256
PASSEN 257-259 LVANML 260-262 FARMPD 263-265 PRFOOD 266-268 ANFEED 269-271 MINPRO 272-274
BLDGMA 275-277 LOGPRO 278-280 LUMBER 281-283 PAPER 284-286 CHEM 287-289 PETROL 290-292
PLASTK 293-295 PRIMTL 296-298 FABMTL 299-301 MACHNE 302-304 TEQUIP 305-307 FURN 308-310
GLASS 311-313 TEXTIL 314-316 MSCMFG 317-319 MOVING 320-322 TOOLS 323-325 MXDCAR 326-328
REFUSE 329-331 INDWTR 332-334 HAZEPA 335-337 HAZNEPA 338-340 RECYCLE 341-343 OTHPROD 344-
346 HAZMAT 347 EXP11 348-350 EXP12 351-353 EXP13 354-356 EXP14 357-359 EXP15 360-362 EXP16 363-
365 FLMGAS 366-368 NFLGAS 369-371 PSNGAS 372-374 FLAMBLE 375-377 COMBUST 378-380 FLAMSOL
381-383 SPONCBST 384-386 DANGWW 387-389 OXIDIZS 390-392 OXYGEN 393-395 ORGPER 396-398
POISON 399-401 KPFOOD 402-404 RADMAT 405-407 CORROS 408-410 CLASS9 411-413 FLTSZE 414-415
AXLRE 416-417 PRNPRO 418-419 AREAOP 420 TIUGVW 421-422 PKGVW 423 PKRWGT 424-429 VEHSZE
430  VEHGRP 431-432;

Run;
```

VI. SAS Code to Create a Region Variable for Data Analysis

```
* Comment - Load database first;

* Create a temporary SAS dataset, Regions, from the TIUS database (where TIUS refers to the data set loaded into
memory) that will contain the new variable REGION ;

Data Regions;
  Set TIUS;

If 16<FIPST<21 or FIPST=26 or FIPST=27 or FIPST=29 or FIPST=31 or FIPST=38 or FIPST=39
  or FIPST=46 or FIPST=55 then
  REGION='NC';

Else If FIPST=9 or FIPST=23 or FIPST=25 or FIPST=33 or FIPST=44 or FIPST=50
  or FIPST=34 or FIPST=36 or FIPST=42 then
  REGION='NE';

Else If FIPST=10 or FIPST=11 or FIPST=12 or FIPST=13 or FIPST=24 or FIPST=37
   or FIPST=45 or FIPST=51 or FIPST=54 then
  REGION='SA';

Else If FIPST=1 or FIPST=5 or FIPST=21 or FIPST=22 or FIPST=28 or FIPST=40
   or FIPST=47 or FIPST=48 then
  REGION='SG';

Else If FIPST=2 or FIPST=4 or FIPST=6 or FIPST=8 or FIPST=15 or FIPST=30
  or FIPST=32 or FIPST=49 or FIPST=53 or FIPST=56 or FIPST=16 or FIPST=35 or FIPST=41 then
  REGION='W';

Run;
```

VII. SAS Code Used to Create Frequency Tables and to Generate Means

Frequency Tables for Population

Frequency tables were generated in our analysis to determine the number of vehicles in a particular category. For example, a table which gives the number of vehicles in the nation that are in each of the 8 vehicle groups can be generated by using the frequency procedure in SAS.

General Format

```
Proc freq data=dataset name;
  Table Variable1*Variable2*Variable3;
   Weight Variable;
   Run;
```

Example of SAS Code to Generate Table of Number of Vehicles in Each Vehicle Group for Each Region

```
Proc freq data=Regions;
  Table VEHGRP*REGION;
  Weight EXPANF;
   Run;
```

Frequency Tables for Sample

Frequency tables were also derived to determine the number of data records available for a particular category. The SAS code is similar to the previous description; however, the 'Weight EXPANF' statement, which indicates the number of vehicles in the population that one record represents, is removed. For example, if we wanted to know the number of records used to derive the table of the number of vehicles in the nation that are in each of the 8 vehicle groups for each region, we would generate a frequency table based on the unweighted sample data.

Example of SAS Code to Generate Table of Number of Sample Records in each Vehicle Group for Each Region

```
Proc freq data=Regions;
  Table VEHGRP*REGION;
   Run;
```

Means and Standard Deviation

In summarizing the general characteristics of a certain vehicle type in the truck population, the mean and standard deviation are useful measures. There are two procedures in SAS for generating means: the Proc Means and the Proc GLM procedures. In each procedure, the 'Freq EXPANF' statement is added in order to weight the sample data in order to reflect the population. For example, if a record has 40,000 miles as its annual miles travelled and its EXPANF=10, then this record states that 10 vehicles in the population have annual VMTs of 40,000 miles.

One should be aware that in both these procedures the 'Freq EXPANF' statement will only accept integer values. If a real number is given, the procedure will only use the integer part of the number. EXPANF is a real number with values out to the two decimal places. In our analysis, we did not want the EXPANF to be truncated, so we multiplied the

EXPANF for every record by 100, in order to shift the information in the two decimal places over into the integer part of the number. Then we generated the means using this new EXPANF. In the results, the population sizes associated with the means will be off by a factor of 100. Dividing the population sizes by 100 will give the true sizes.

General Format for Proc Sort Before running the Proc Means procedure, the Proc Sort procedure may have to be used to reorganize the data for analysis.

```
Proc Sort data=dataset name;
  By Variable list;
  Run;
```

General Format for Proc Means

```
Proc Means data=dataset name;
 Var Variable list;
  By Variable list;
  Freq Variable;
  Run;
```

Example of Proc Means procedure to Generate Mean VMT for Each Body Type Group

```
Proc Sort data=TIUS;
  By BODTYP;
Proc Means data=TIUS;
 Variable ANNMIL;
  By  BODTYP;
  Freq EXPANF;
  Run;
```

General Format for Proc GLM

```
Proc GLM data=dataset name;
 Class Variables;
  Model Dependent-Variable = Independent-Variables;
 Means Variables;
  Freq Variable;
  Run;
```

Example of Proc GLM procedure to Generate Mean VMT for Each Body Type Group

```
Proc GLM data=TIUS;
 Class BODTYP;
  Model ANNMIL = BODTYP;
 Means BODTYP;
  Freq EXPANF;
  Run;
```

Appendix I

1987 and 1992 TIUS Surveys

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

FORM
TC-9502

1992 CENSUS OF TRANSPORTATION
TRUCK INVENTORY AND USE SURVEY

OMB No. 0607-0730: Approval Expires 12/31/94

DUE DATE: 30 DAYS AFTER RECEIPT OF FORM

Please return completed form to:

BUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, IN 47132-0001

CENSUS USE

TC-9502

REGISTRATION INFORMATION

Make of vehicle 101	Year of model 102	State 103

License number 104

Vehicle Identification Number (VIN) 105

See Survey Coverage below if you have questions about completing this report.

(Please correct any errors in name, address, and ZIP Code)

NOTICE – Public reporting burden for this collection of information is estimated to vary from 40 to 60 minutes per response, with an average of 50 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Associate Director of Management Services, Attn: Paperwork Reduction Project 0607-0730, Room 2027, Bureau of the Census, Washington, DC 20233; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Attn: Paperwork Reduction Project 0607-0730, Washington, DC 20503. *PLEASE INCLUDE FORM NAME AND NUMBER IN ALL CORRESPONDENCE.*

SURVEY COVERAGE

YOUR RESPONSE IS REQUIRED BY LAW. Title 13, United States Code, requires businesses, organizations, and residents that receive this questionnaire to answer the questions for the **vehicle identified in the registration information section** above and return the questionnaire to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL**. It may be seen only by sworn Census Bureau employees and may be used only for statistical purposes.

The term **"Truck"** includes all pickups, panel trucks, vans, mini-vans, utility vehicles, jeeps, station wagons built on truck chassis, single-unit light, single-unit heavy, and truck tractors.

If you have questions about completing this report, please call or write the Census Bureau. In any communication be sure to refer to the 11-digit Census File Number (CFN) printed in the label above. Toll-free assistance is available, 8:00 a.m. to 8:00 p.m., Eastern Standard Time, Monday through Friday: **1-800-772-7851**.

IMPORTANT NOTICE: All questions on this form refer to the vehicle described in the registration information section and its use during calendar year 1992, **unless** the vehicle was **disposed of on** or **after July 1, 1991 and prior to January 1, 1992**. If the vehicle was **disposed of on** or **after July 1, 1991 and prior to January 1, 1992**, please complete entire questionnaire, answering each item according to the vehicle's use **during calendar year 1991**. If the vehicle was **disposed of prior to July 1, 1991**, please complete Items 1a, 1b, and 32 only.

PLEASE NOTE – There may be errors in the registration information. If there are errors in the VIN, make, **and** model year registration information, or if the vehicle identified never was in your possession, do not complete the questionnaire. Return it to the Census Bureau, along with a note correcting the errors in the registration information. (For statistical reasons, we cannot accept any substitution for the sampled vehicle.)

It is very important that you read the instructions as you answer the questions. If exact figures are not available for all items, carefully prepared estimates are acceptable.

PENALTY FOR FAILURE TO REPORT

CONTINUE ON PAGE 2

ITEM 1

a. Is the vehicle identified in the Registration Information section (cover page) still in your possession?

110 1 ☐ Yes – **Are you the –** 111 1 ☐ **owner?** 2 ☐ **lessee?** } ***SKIP to item 2*** *and continue with questionnaire*

2 ☐ No – *Continue with item 1b*

b. Did you dispose of this vehicle prior to July 1, 1991?

112 1 ☐ Yes – *Complete item 32 and return questionnaire*

2 ☐ No – *Continue with items 1c, 1d, and the remainder of the questionnaire*

c. When did you dispose of this vehicle? *Enter figures only* . . . . . Month 113 | Year 114 19 ____

(Example: If June 14, 1992 – enter 06 92)

NOTE – *If you disposed of this vehicle prior to January 1, 1992, answer each remaining item according to how the vehicle was used during calendar year 1991. If you disposed of this vehicle during calendar year 1992, answer each remaining item according to how the vehicle was used during calendar year 1992.*

d. How did you dispose of this vehicle?

115 1 ☐ Sold, traded, or gave it away

2 ☐ Junked, scrapped, or otherwise destroyed

3 ☐ Returned to leasing company

4 ☐ Other – *Please specify* _____

ITEM 2

When did you obtain this vehicle? *Enter figures only* . . . . . Month 116 | Year 117 19 ____

(Example: If June 14, 1980 – enter 06 80)

ITEM 3

a. How did you obtain this vehicle?

118 1 ☐ Purchased it **new** – ***SKIP to item 4a***

2 ☐ Purchased it **used** (or otherwise acquired) – ***SKIP to item 4a***

3 ☐ **Leased** or **rented** it FROM someone else – *Continue with items 3b and c*

4 ☐ Other – *Please specify* _____

b. How was this vehicle leased or rented?

119 1 ☐ **Without** a driver

2 ☐ **With** a driver other than an owner-operator

3 ☐ With an **owner-operator as driver**

c. Was the agreement for 12 months or more?

120 2 ☐ No

1 ☐ Yes – **Which of the following did the leasing agreement include?** *Mark (X) all that apply.*

121 ☐ Financing only *(Do not mark if installment sales contract.)*

122 ☐ Full maintenance

123 ☐ Maintenance on specified parts only

124 ☐ Payment of taxes

125 ☐ Obtaining licenses and permits

126 ☐ Recordkeeping for leased trucks

127 ☐ Other – *Please specify* _____

ITEM 4

a. Did you lease or rent this vehicle TO anyone else?

128 1 ☐ Yes – *Continue with items 4b and c*

2 ☐ No – ***SKIP to item 5***

b. How was it leased or rented?

129 1 ☐ **Without** a driver

2 ☐ **With** a driver other than an owner-operator

3 ☐ With an **owner-operator as driver**

c. Was the agreement for 12 months or more?

130 2 ☐ No

1 ☐ Yes – **Which of the following did the leasing agreement include?** *Mark (X) all that apply.*

131 ☐ Financing only *(Do not mark if installment sales contract.)*

132 ☐ Full maintenance

133 ☐ Maintenance on specified parts only

134 ☐ Payment of taxes

135 ☐ Obtaining licenses and permits

136 ☐ Recordkeeping for leased trucks

137 ☐ Other – *Please specify* _____

ITEM 5

How would you best describe this vehicle as it was most often operated?

NOTE – *A **straight truck**, also called a single-unit truck, is a complete unit, cab area and body. A **truck tractor** is a cab and chassis that is usually used for pulling trailers. (If the vehicle is a pickup, compact van, mini-van, or panel truck, enter body type on the "Other" line.)*

200 1 ☐ Straight truck **not** pulling trailer – ***SKIP to item 9***
2 ☐ Straight truck pulling trailer – *Continue with item 6a*
3 ☐ Truck tractor (power unit) pulling trailer(s) – ***SKIP to item 6b***
4 ☐ Other – *Please specify* _____

ITEM 6

a. If you indicated in item 5 that this vehicle is a straight truck pulling trailer(s), indicate below the kind of trailer(s) this vehicle MOST OFTEN PULLED. *Mark (X) ONE box only.*

Utility and other trailers less than 20 feet most often pulled by this **straight truck.**

201 1 ☐ One axle on trailer
2 ☐ Two axles on trailer
3 ☐ Three axles or more on trailer

One full trailer (or semi-trailer with converter dolly) most often pulled by this **straight truck.**

4 ☐ Two axles on trailer
5 ☐ Three axles on trailer
6 ☐ Four axles or more on trailer

b. (1) If you indicated in item 5 that this vehicle is a truck tractor (power unit) pulling trailer(s), indicate below the kind of trailer(s) this vehicle MOST OFTEN PULLED. *Mark (X) ONE box only.*

One semi-trailer most often pulled by this **truck tractor** (power unit).

202 01 ☐ One axle on trailer
02 ☐ Two axles on trailer
03 ☐ Three axles or more on trailer

Two trailers, one semi- and one full (or semi-trailer with converter dolly) most often pulled by this **truck tractor** (power unit).

04 ☐ Three axles on two trailers
05 ☐ Four axles on two trailers
06 ☐ Five axles on two trailers
07 ☐ Six axles or more on two trailers

Three trailers, one semi- and two full (or semi-trailers with converter dollies) most often pulled by this **truck tractor** (power unit).

08 ☐ Five axles on three trailers
09 ☐ Six axles on three trailers
10 ☐ Seven axles on three trailers
11 ☐ Eight axles or more on three trailers

12 ☐ Other – *Please describe in detail the number of trailers and the number of axles on those trailers most often pulled by this vehicle if not mentioned above.*

_____

_____

	Percent
(2) What approximate percent of 1992 mileage was no trailer pulled by this vehicle (i.e., bobtail)?	203 ____ %

ITEM 7

	Percent
What approximate percent of 1992 mileage was the trailer/axle configuration, identified in item 6a or b(1) above, MOST OFTEN PULLED by this vehicle?	204 ____ %

ITEM 8

		Percent
What approximate percent of 1992 mileage pulling trailers did this vehicle haul –	**a.** Railroad, maritime, or domestic containers?	205 ____ %
	b. Piggyback trailers?	206 ____ %
	c. Conventional trailers?	207 ____ %
	TOTAL (a, b, and c should add to 100%) ⟶	**100%**

ITEM 9

Please indicate the body type which most closely resembles this vehicle or the trailer MOST OFTEN ATTACHED to it if the power unit is a truck tractor.

If the vehicle is a straight truck, mark (X) the box that best describes the body of the truck (the area behind the cab).

Mark (X) ONE box only.

PLATFORM TYPES

300 05 ☐ Low boy (gooseneck) – platform with depressed center
06 ☐ Basic platform (including flatbed, stake, etc.)
04 ☐ Platform with devices permanently mounted on bed of truck – such as high lift, lift gate, hoist, etc.

VAN TYPES

03 ☐ Multi-stop or step van (including hi-cube or cutaway)
12 ☐ Basic enclosed van (dry cargo)
10 ☐ Drop frame van (including furniture van, etc.)
08 ☐ Insulated, nonrefrigerated van
09 ☐ Insulated, refrigerated van
11 ☐ Open top van (including fruit)

SPECIALIZED USE TRUCKS

18 ☐ Automobile transport
13 ☐ Beverage truck
70 ☐ Concrete mixer
40 ☐ Dump truck (including belly or bottom dump)
29 ☐ Grain bodies (including low-side grain and hoppers, etc.)
30 ☐ Garbage truck
07 ☐ Livestock truck (including livestock drop frame)
27 ☐ Oil field truck – service equipment permanently mounted on vehicle
17 ☐ Pole, logging, pulpwood, or pipe truck
22 ☐ Service truck or "craftsman's vehicle" – body equipped for mobile repair and service
60 ☐ Tank truck for dry bulk
50 ☐ Tank truck for liquids or gases
14 ☐ Utility truck – used in public utility operations (telephone line truck, etc.), body equipped for major repair (may have aerial lift, derrick, etc.)
15 ☐ Winch or crane truck – lifting equipment (including roll on, roll off) permanently mounted on vehicle
16 ☐ Wrecker – for motor vehicle towing or lifting
23 ☐ Yard tractor – cab and chassis ONLY, used to spot trailers

NOTE – *If none of the above descriptions match the body type of this vehicle, or the trailer usually attached to it, mark (X) the "Other" box below and specify body type.*

80 ☐ Other – *Please specify* _____

ITEM 10

a. What is the total number of axles on this truck or truck tractor (power unit) including front and rear axles? *Do not include axles on any trailers pulled.*

301 1 ☐ Two axles (each axle has 2 tires)
2 ☐ Two axles (front axle has 2 tires, rear axle has 4 tires)
3 ☐ Three axles
4 ☐ Four axles or more

Number
302

How many, IF ANY, of this vehicle's axles are liftable? . . . . . .

b. How many of the axles on this truck or truck tractor (power unit) are driving (powered) axles?

303 1 ☐ One driving axle
2 ☐ Two driving axles
3 ☐ Three driving axles or more

ITEM 11

What type of cab does this vehicle have?

307
1 ☐ Cab forward of engine
2 ☐ Cab over engine
3 ☐ Conventional cab
4 ☐ Cab beside engine
5 ☐ Other – *Please specify* _____

ITEM 12

a. What was the overall length of this vehicle or vehicle and trailer(s) as it was MOST OFTEN OPERATED? *An estimate is acceptable.*

NOTE – *Report distance from front bumper to rear of vehicle or trailer(s), whichever is applicable.*

Mark (X) ONE box only.

308
01 ☐ Less than 13.0 feet
02 ☐ 13.0 to 15.9 feet
03 ☐ 16.0 to 19.9 feet
04 ☐ 20.0 to 27.9 feet
05 ☐ 28.0 to 35.9 feet
06 ☐ 36.0 to 40.9 feet
07 ☐ 41.0 to 44.9 feet
08 ☐ 45.0 to 49.9 feet
09 ☐ 50.0 to 54.9 feet
10 ☐ 55.0 to 59.9 feet
11 ☐ 60.0 to 64.9 feet
12 ☐ 65.0 to 69.9 feet
13 ☐ 70.0 to 74.9 feet
14 ☐ 75.0 feet or more

b. What was the exterior length of the individual trailer(s) included in the overall length above?

NOTE – *If more than one trailer was most often pulled, please give the length of those trailers pulled. (Example: If double trailers, complete for 1st and 2nd trailer.)*

	1st trailer	2nd trailer	3rd trailer
One trailer	309		
Two trailers	309	310	
Three trailers	309	310	311

c. If this is a combination vehicle, what was the exterior width of the trailer most often attached to the truck or power unit?

If more than one trailer was most often pulled, give the width of the widest trailer pulled. An estimate is acceptable.

Mark (X) ONE box only.

312
1 ☐ 96 inches
2 ☐ 102 inches
3 ☐ More than 102 inches
4 ☐ Other – *Please specify* _____ *inches*

ITEM 13

	Pounds *Estimates are acceptable.*
a. What was the EMPTY weight (truck minus cargo) of this vehicle or vehicle/trailer combination as it was usually operated?	314
b. What was the AVERAGE weight (empty weight plus weight of cargo) of the vehicle or vehicle/trailer combination when carrying a typical payload during 1992?	316
c. What was the GROSS weight (maximum) at which this vehicle or vehicle/trailer combination operated during 1992?	317

ITEM 14

How many weeks during 1992 was this vehicle operated? *An estimate is acceptable.*

NOTE – *If vehicle was disposed of* ***on*** *or* ***after July 1, 1991,*** *but* ***prior to January 1, 1992,*** *check number of weeks operated during* ***1991.***

Mark (X) ONE box only.

400 01 ☐ 49 to 52 weeks
02 ☐ 45 to 48 weeks
03 ☐ 41 to 44 weeks
04 ☐ 37 to 40 weeks
05 ☐ 33 to 36 weeks
06 ☐ 29 to 32 weeks
07 ☐ 25 to 28 weeks
08 ☐ 21 to 24 weeks
09 ☐ 17 to 20 weeks
10 ☐ 13 to 16 weeks
11 ☐ 9 to 12 weeks
12 ☐ 5 to 8 weeks
13 ☐ 1 to 4 weeks
14 ☐ Less than 1 week

ITEM 15

How many miles was this vehicle driven during 1992? *An estimate is acceptable.* . . . . . .

Miles
401

NOTE – *If vehicle was* ***disposed of during 1992****, only enter mileage driven during* ***1992****. If vehicle was disposed of* ***on*** *or* ***after July 1, 1991****, but* ***prior to January 1, 1992****, enter mileage driven during* ***1991****.*

ITEM 16

How many miles has this vehicle been driven since it was manufactured? . . . . . .

Miles
402

NOTE – *If it is no longer in your possession, please estimate the total lifetime mileage at the time you last operated it. If the odometer/speedometer is* ***broken, please give your best estimate.*** *If the odometer has turned over (100,000+ miles), please enter the total figure. (Example: If a 100,000 mile odometer has turned over twice and the odometer reads 18,522, then the value is 218,522.)*

ITEM 17

a. Was this vehicle or vehicle/trailer(s) combination used ONLY for consumer one-way truck rental or as an over-the-road truck tractor that DOES NOT operate from a home base location?

NOTE – *"Home base" refers to the location where the vehicle was usually parked when it was not on the road.*

403 1 ☐ Yes – ***SKIP to item 19***
2 ☐ No – *Continue with items 17b and c*

b. Where was the home base of this vehicle on July 1, 1992?

NOTE – *"Home base" refers to the location where the vehicle was usually parked when it was not on the road. If this vehicle was put into service after July 1, 1992, enter current home base.*

City 404		
County 405	State 406	ZIP Code 407

c. What was the type of home base?

Mark (X) ONE box only.

408 1 ☐ Residential or farm – Location is a private residence.

2 ☐ Terminal and administrative location – Private, business or commercial trucking operations and administrative duties and functions (i.e. accounting, payroll, etc.) are conducted at this location.

3 ☐ Terminal and maintenance facilities for business, private, or commercial freight transportation – Location is engaged in the usual business operations of terminal facilities used by highway-type property carrying vehicles. Administrative duties and functions (i.e. accounting, payroll, etc.) are not conducted at this location.

4 ☐ Corporate headquarters – Location conducts administrative duties and functions ONLY. This location does not conduct usual business, private or commercial trucking operations, or related activities of that business.

5 ☐ Other – *Please specify* _____

ITEM 18

	Percent
What percent of 1992 mileage was driven OUTSIDE the home base State?	409 %

An estimate is acceptable. (If none, enter zero.)

NOTE – *"Home base State" refers to the state where the vehicle was usually parked when it was not on the road.*

ITEM 19

What approximate PERCENT of this vehicle's 1992 mileage was accounted for by the type of trips listed below?

If all trips were within one range, enter 100%. If more than one range is applicable, be sure that percents total 100%.

NOTE – *If this vehicle is used for consumer one-way truck rental or is a long-haul truck tractor that does not operate from a home base, report average range of operation.*

	Percent
Trips **off-the-road**, little travel on public roads	410 %
Trips **less than 50** miles from vehicle's home base	411 %
Trips **between 50 and 100** miles from vehicle's home base	412 %
Trips **between 100 and 200** miles from vehicle's home base	413 %
Trips **between 200 and 500** miles from vehicle's home base	414 %
Trips **beyond 500** miles of vehicle's home base	415 %
TOTAL →	**100%**

ITEM 20

	Miles	Tenths
How many miles-per-gallon (MPG) did this vehicle average during 1992?	416	.

Provide tenths, if available. An estimate is acceptable.

ITEM 21

What kind of fuel does this vehicle use?

Mark (X) ONE box only.

418
1 ☐ Leaded Gasoline
2 ☐ Unleaded Gasoline
3 ☐ Diesel
4 ☐ Liquified Gas (Petroleum (LPG) or Natural (LNG))
5 ☐ Other – *Please specify* _____

ITEM 22

Where was this vehicle primarily refueled during 1992?

Mark (X) ONE box only.

419
1 ☐ Central company-owned fueling facility
2 ☐ Single contract fueling facility located off-site
3 ☐ Public fueling stations
4 ☐ Other – *Please specify* _____

ITEM 23

What type of brakes does this truck or truck tractor (power unit) have?

420
1 ☐ Hydraulic (standard)
2 ☐ Hydraulic with power assist
3 ☐ Air
4 ☐ Other – *Please specify* _____

ITEM 24

Does this vehicle have any of the following?

Mark (X) all that apply.

421 ☐ Radial Tires
422 ☐ Power Steering
423 ☐ Air-conditioning in cab
424 ☐ Trip recorders/on-board computer
425 ☐ Anti-lock brake system
426 ☐ Aerodynamic features
427 ☐ Axle or drive ratio to maximize fuel efficiency
428 ☐ Fuel economy engine with low RPM, high torque rise, turbo-charge, etc.
429 ☐ Variable fan drives
430 ☐ Other fuel conservation features
431 ☐ Reflective materials (in addition to those required by law)
432 ☐ Electronic vehicle management system
433 ☐ Electronic vehicle identification device (transponder), etc.
434 ☐ Road speed governor
435 ☐ Navigational systems
436 ☐ Engine retarder

ITEM 25

Who performed the general maintenance and major overhauls on this vehicle?

Mark (X) all that apply.

	General maintenance	Major overhauls
Yourself	440 ☐	448 ☐
Your company's own maintenance facilities	441 ☐	449 ☐
Dealership's service department	442 ☐	450 ☐
Leasing company	443 ☐	451 ☐
Independent garage or private mechanic (includes gasoline or service stations)	444 ☐	452 ☐
Component distributorship (engine, transmission, etc.)	445 ☐	453 ☐
No one	446 ☐	454 ☐
Other – *Please specify* _____	447 ☐	455 ☐

ITEM 26

a. Which of the following best describes the way this vehicle was most often operated?

Mark (X) ONE box only.

Note – *If this vehicle was operated for business use and personal transportation, please check MIXED and indicate approximately what percent was business and what percent was personal transportation. If this vehicle was operated as a private carrier with for-hire authorization (i.e., backhauls, trip leasing), please check MIXED and indicate approximately what percent was business use and what percent was for-hire.*

500 1 ☐ **BUSINESS USE –** Operated by and for a private business (including self-employers) or a company; used in related activities of that business (including transportation of employees) – ***SKIP to item 27***

2 ☐ **PERSONAL TRANSPORTATION –** Operated as a personal-use vehicle for pleasure driving, travel to work, carpool, etc. (NO BUSINESS USE) – ***SKIP to item 31 (Remarks)***

3 ☐ **FOR-HIRE –** *Continue with item 26b*

4 ☐ **DAILY RENTAL (Not motor carrier) – *SKIP to item 27***

5 ☐ **MIXED**

	Percent
Percent business use	501 ____ %
Percent personal use	502 ____ %
Percent for-hire (includes private carriage with for-hire authorization, i.e., backhauls, trip leasing) (Please complete 26b(1) below)	503 ____ %
TOTAL →	**100%**

b. If this vehicle was FOR-HIRE, indicate below the type of for-hire operation.
Enter percent of 1992 mileage for each category. An estimate is acceptable.

		Percent
(1)	**Operation type**	
	MOTOR CARRIER – Operated by a company whose primary business is to provide transportation services, carrying freight belonging to others, for a fee	504 %
	OWNER OPERATOR – Operated by an independent trucker who drives vehicle for himself or on lease to a company –	
	as an independent	505 %
	leased to a company	506 %
	PRIVATE FLEET – Operated by and for a private business to transport company-owned freight, which also maintains for-hire authority (i.e., backhauls, trip leasing) –	
	as private carrier	507 %
	as for-hire operator	508 %
	TOTAL →	**100%**
(2)	**Jurisdiction served (Private Fleet Operation – *SKIP to item 27*)**	
	INTERSTATE – Operating in more than one State, usually under Interstate Commerce Commission (ICC) authority	509 %
	INTRASTATE – Operating within one State	510 %
	LOCAL – In a single municipality, contiguous municipalities and its suburban area	511 %
	TOTAL →	**100%**
(3)	**Kinds of carrier**	
	CONTRACT – Offered transportation service to certain shippers under specific contracts	512 %
	COMMON – Offered transportation service to general public over regular and irregular routes	513 %
	EXEMPT – Transported commodities or provided types of service that were exempt from Federal regulations, or operated within commercial zones	514 %
	TOTAL →	**100%**
(4)	**Kinds of service**	
	TRUCKLOAD – Usually defined as cargo of a single shipper carried on an individual trip	515 %
	LESS-THAN-TRUCKLOAD – Usually defined as cargo of multiple shippers carried on an individual trip	516 %
	TOTAL →	**100%**

(5) Was this vehicle operated under ICC authority during 1992? 517 1 ☐ Yes 2 ☐ No

ITEM 27

Which of the following best describes your business (or the part of your business in which the vehicle was used)? *If vehicle was leased, indicate business of lessee.*
Mark (X) ONE box only.

518
- 01 ☐ AGRICULTURAL OR FARMING ACTIVITIES (including fisheries)
- 02 ☐ FORESTRY OR LUMBERING ACTIVITIES
- 03 ☐ CONSTRUCTION WORK – buildings, homes, roads, structures, etc.
- 04 ☐ CONTRACTOR ACTIVITIES OR SPECIAL TRADES – painting, plumbing, electrical work, masonry, carpentry, etc.
- 05 ☐ MANUFACTURING, REFINING, OR PROCESSING ACTIVITIES
- 06 ☐ WHOLESALE TRADE
- 07 ☐ RETAIL TRADE
- 08 ☐ BUSINESS AND PERSONAL SERVICES – used to assist in such services as lodging operations, landscaping, repair (except plumbing, electrical work, etc. – *See "Contractor Activities"*), laundry, advertising, entertainment, etc.
- 09 ☐ UTILITIES – Used to assist in operation or service of public utilities (telephone, gas, electric, cable television, etc.)
- 10 ☐ MINING OR QUARRY ACTIVITIES (includes well drilling) – used to assist in the extraction of natural resources or in hauling to processors
- 11 ☐ DAILY RENTAL – rented out, without a driver, to someone else on a daily or short-term basis
- 16 ☐ ONE-WAY RENTAL
- 13 ☐ NOT IN USE – vehicle idle, wrecked, awaiting repair, etc., for more than 6 months
- 14 ☐ FOR-HIRE TRANSPORTATION – including small package delivery
- 15 ☐ OTHER – *Please describe in detail.* _____

ITEM 28

From the following list of products, materials, and equipment, indicate which item or items this vehicle carried. *Write in the approximate percent of the vehicle's 1992 mileage that was accounted for while carrying loads and while empty including backhauls, trip leasing, etc. Be sure percents total 100%.*

NOTE – *If you carried only one product, type of equipment, etc., during 1992, enter the percent of mileage while carrying this item.*

If you carried more than one product, enter the percents beside the appropriate items. You can use round figures (10%, 25%, etc.). You DO NOT need to account for every single item the vehicle carried during 1992, just include those that accounted for at least 5% of the mileage.

If the vehicle is involved in some kind of business use, but does not carry any products or equipment, enter 100% in ***NO LOAD****, item 28a.*

Please be sure to account for miles driven ***empty*** *in item 28a below.*

	Percent
a. NO LOAD – Vehicle empty	519 %
b. PRODUCTS, EQUIPMENT, MATERIALS, ETC.	521 %
(1) AGRICULTURAL AND FOOD PRODUCTS	
(a) Live animals – cattle, horses, poultry, hogs, live seafood, insects, etc.	522 %
(b) Fresh farm products – grain, crops, eggs, flowers, nursery stock, raw milk, raw tobacco, etc.	523 %
(c) Processed foods and tobacco products – canned goods, prepared meats, frozen foods, beverages, bottled water, dairy products, cigarettes, etc.	524 %
(d) Animal feed – prepared feed and feed ingredients for animals	525 %
(2) MINING PRODUCTS – crude oil, coal, metal ores	526 %
(3) BUILDING MATERIALS – gravel, sand, concrete, flat glass, etc. (except cut lumber – See "Lumber")	527 %
(4) FORESTRY, WOOD, AND PAPER PRODUCTS	
(a) Logs and forest products – except cut lumber and fabricated wood products *(See below.)*	528 %
(b) Lumber and fabricated wood products – except furniture (See (7) below.)	529 %
(c) Paper and paper products	530 %
(5) CHEMICALS, PETROLEUM, AND ALLIED PRODUCTS *(Placard carriers – also complete item 29a)*	
(a) Chemicals and/or drugs (including fertilizers, pesticides, cosmetics, paints, etc.)	531 %
(b) Petroleum and petroleum products (including paving and roofing materials)	532 %
(c) Plastics and/or rubber products	533 %
(6) METALS AND METAL PRODUCTS	
(a) Primary metal products – pipes, ingots, billets, sheets, etc.	534 %
(b) Fabricated metal products – except machinery or transportation equipment *(See below.)*	535 %
(c) Machinery – electrical or non-electrical and electronic	536 %
(d) Transportation equipment (including complete vehicles) and parts	537 %
(7) OTHER MANUFACTURED PRODUCTS	
(a) Furniture (wood and non-wood) and/or hardware – not involved in household moving	538 %
(b) Glass products	539 %
(c) Textiles and apparel – fibers, leather goods, carpets, clothing, etc.	540 %
(d) Miscellaneous products of manufacturing – including photographic goods, watches, clocks, jewelry, and toys	541 %
(8) MISCELLANEOUS AND MIXED CARGO	
(a) Moving of household and office furniture – from home, offices, etc., under contract	542 %
(b) Miscellaneous tools and/or parts for specialized use, as in a craftsman's vehicle – traveling workshop for plumbers, carpenters, road service crews, etc.	543 %
(c) Mixed cargo (including the delivery of small packages)	544 %
(d) Scrap (not for recycling), garbage, trash, septic tank waste	545 %
(e) Industrial "waste" water	546 %
(f) Hazardous waste (EPA manifest)	547 %
(g) Hazardous waste (non-EPA manifest)	548 %
(h) Recyclable products	549 %
(9) OTHER (not elsewhere classified) – *Please describe in detail.*	
TOTAL – *No load plus products carried should total 100%*	**100%**

ITEM 29

a. At any time during 1992 was this vehicle (or combination) used to haul hazardous materials in quantities large enough to require a hazmat placard on the vehicle due to title 49 CFR 177.823, Transportation?

550 1 ☐ Yes – *Continue with item 29b* 2 ☐ No – ***SKIP to item 30***

b. What type(s) of hazardous materials were carried by this vehicle? *Write in the approximate percent of the vehicle's 1992 mileage which accounted for each hazardous material carried.*

NOTE – *Indicate only percents for those hazardous materials carried in quantities large enough to* **require a hazmat placard** placed on the vehicle.

Placard name	Former placard name *(if different)*	Percent	Placard name	Former placard name *(if different)*	Percent
Explosives 1.1	Explosives A	551 %	Flammable solid		562 %
Explosives 1.2	Explosives A	552 %	Spontaneously combustible	Flammable solid	563 %
Explosives 1.3	Explosives B	553 %	Dangerous when wet	Flammable solid W	564 %
Explosives 1.4	Dangerous	554 %	Oxidizer		565 %
Explosives 1.5	Blasting agents	555 %	Oxygen		566 %
Explosives 1.6	Dangerous	556 %	Organic peroxide		567 %
Flammable gas		557 %	Poison		568 %
Non-flammable gas		558 %	Keep away from food	(none required)	569 %
Poisonous gas		559 %	Radioactive		570 %
Flammable		560 %	Corrosive		571 %
Combustible		561 %	Class 9	(none required)	572 %

ITEM 30

Please indicate below the total number of trucks, truck tractors (power units), and trailers owned and/or operated by you or your company.

NOTE – *Trucks refer to pickups, small vans (including mini-vans), and straight trucks. Trailers refer to semi and/or full trailers. Do* **not** include utility trailers. Subsidiaries of companies should report fleet size for the respective subsidiary only.

Mark (X) ONE box only.

600 01 ☐ 1 03 ☐ 6 to 9 05 ☐ 25 to 99 07 ☐ 500 to 999 09 ☐ 5,000 to 9,999
02 ☐ 2 to 5 04 ☐ 10 to 24 06 ☐ 100 to 499 08 ☐ 1,000 to 4,999 10 ☐ 10,000 or more

ITEM 31 **Remarks** – *Please use this space for any explanations that may be important in understanding your reported data.*

ITEM 32 **Contact Information**

a. Name of person to contact regarding this report	**b.** Address *(Number and street)*		
c. City		**d.** State	**e.** ZIP Code
f. Daytime telephone number → Area code / Number	Extension *(If any)*	**g.** If this vehicle has a fleet number, please enter it here	
h. Signature of authorized person	**i.** Title		**j.** Date

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

FORM
TC-9502

1987 CENSUS OF TRANSPORTATION
TRUCK INVENTORY AND USE SURVEY

OMB APPROVAL NO. 0607-0582; EXPIRES 12/88

NOTICE — Response to this inquiry is required by law (title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report, please refer to this Census File Number (CFN)

Please complete this form and RETURN TO

BUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, Indiana 47134

DUE DATE: 15 days after receipt of form

Important — Please read

All questions on this form refer to the vehicle described below and its use during 1987. If you did not own the vehicle during 1987, please continue with the questionnaire answering each item according to how you used the vehicle during the last 12 months you owned (or leased) it. If there are errors in the vehicle registration information, consult the instruction sheet before continuing with the questionnaire.

ESTIMATES ARE ACCEPTABLE.

Please correct errors in name, address, and ZIP Code. ENTER street and number if not shown.

CENSUS USE	1	2	3	4	5	6	7

REGISTRATION INFORMATION

Make of vehicle	Year of model	State	License number	Vehicle identification number (VIN)
101	102	103	104	105

Item 1 — When did you obtain this vehicle? *Enter figures only*

110 Month | Year

Item 2 — How did you obtain this vehicle?

111
1 ☐ Purchased it new ..... } *SKIP to item 3*
2 ☐ Purchased it used (or otherwise acquired) ..... }
3 ☐ Leased or rented it FROM someone else — *Continue with items 2a and b*

a. How was this vehicle leased or rented?

112
1 ☐ Without a driver
2 ☐ With a driver other than an owner-operator
3 ☐ With an owner-operator as driver

b. Was the agreement for 12 months or more?

113
2 ☐ NO
1 ☐ YES — **Which of the following did the leasing agreement include?** *Mark (X) all that apply*

114 ☐ Financing only *(Do not mark if installment sales contract)*
115 ☐ Full maintenance
116 ☐ Maintenance on specified parts only
117 ☐ Payment on taxes
118 ☐ Obtaining licenses and permits
119 ☐ Recordkeeping for leased trucks
120 ☐ Other — *Specify*

Item 3 — Is this vehicle still in your possession?

206
1 ☐ YES — Are you the — 207 1 ☐ owner? 2 ☐ lessee? } *SKIP to item 4 and continue with questionnaire*
2 ☐ NO — *Please continue with this questionnaire, answering each item according to how you used the vehicle during the last 12 months you owned (or leased) it. Continue with items 3a and b.*

a. When did you dispose of this vehicle? *Enter figures only*

208 Month | Year

b. How did you dispose of this vehicle?

209
1 ☐ Sold it (or gave it away)
2 ☐ Junked, scrapped, or otherwise destroyed
3 ☐ Returned to leasing company

Item 4 — *Please indicate the body type which most closely resembles this vehicle or the trailer most often attached to it, if the power-unit is a truck-tractor.*

311

PLATFORM TYPES

05 ☐ Low boy (gooseneck) — platform with depressed center
06 ☐ Basic platform — including flatbed, stake, etc.
04 ☐ Platform with devices permanently mounted on bed of truck — such as high lift, lift gate, hoist, etc.

VAN TYPES

03 ☐ Multistop or step van (including hi-cube or cutaway)
12 ☐ Basic enclosed van (dry cargo)
10 ☐ Drop frame van — including furniture van, etc.
08 ☐ Insulated, non-refrigerated van
09 ☐ Insulated, refrigerated van
11 ☐ Open top van, including fruit

SPECIALIZED USE TRUCKS

18 ☐ Automobile transport
13 ☐ Beverage truck
70 ☐ Concrete mixer
40 ☐ Dump truck (including belly or bottom dump)
28 ☐ Grain bodies (including low-side grain and hoppers, etc.)
30 ☐ Garbage truck
07 ☐ Livestock truck (including livestock drop frame)
27 ☐ Oilfield truck — service equipment permanently mounted on vehicle
17 ☐ Pole, logging, pulpwood, or pipe truck
22 ☐ Service truck or "craftsman's vehicle" — body equipped for mobile repair and service
60 ☐ Tank truck for dry bulk
50 ☐ Tank truck for liquids or gases
14 ☐ Utility truck — used in public utility operations (telephone line truck, etc.), body equipped for major repair (may have aerial lift, derrick, etc.)
15 ☐ Winch or crane truck — lifting equipment (including roll on, roll off) permanently mounted on vehicle
16 ☐ Wrecker — for motor vehicle towing or lifting
23 ☐ Yard tractor — cab and chassis ONLY, used to spot trailers

***NOTE** — If none of the above descriptions match the body type of this vehicle, or the trailer usually attached to it, mark (X) the "Other" box below and specify type.*

80 ☐ Other — *Specify*

Item 4 — Did you lease or rent out this vehicle TO anyone else?

210 1 ☐ YES — *Continue with items 4a and b*
2 ☐ NO — *SKIP to item 5*

a. **How was it leased or rented out?**

211 1 ☐ Without a driver
2 ☐ With a driver other than an owner-operator
3 ☐ With an owner-operator as driver

b. **Was the agreement for 12 months or more?**

213 2 ☐ NO
1 ☐ YES — **Which of the following did the leasing agreement include?** *Mark (X) all that apply*

214 ☐ Financing only *(Do not mark if installment sales contract)*
215 ☐ Full maintenance
216 ☐ Maintenance on specified parts only
217 ☐ Payment of taxes
218 ☐ Obtaining licenses and permits
219 ☐ Recordkeeping for leased trucks
220 ☐ Other — *Specify*

Item 5 — How would you best describe this vehicle as it was most often operated? *(If the vehicle is a pickup, compact van, mini-van, or panel truck, enter body type on the "Other" line.)*

300 1 ☐ Straight truck
2 ☐ Straight truck pulling trailer(s)
3 ☐ Truck-tractor (power unit) pulling trailer(s)
4 ☐ Other — *Specify*

Item 6 — If you indicated in item 5 that you operated this vehicle with trailer(s) attached, indicate below the kind of trailer(s) you most often pulled. *Mark (X) one box only, and indicate if axles are liftable.*

a. Utility and other trailers less than 20 feet used with straight truck

304 1 ☐ One axle on trailer
2 ☐ Two axles on trailer
3 ☐ Three axles or more on trailer

b. One full trailer *used with straight truck

305 1 ☐ Two axles on trailer
2 ☐ Three axles on trailer
3 ☐ Four or more axles on trailer
How many, IF ANY, of the trailer's axles are liftable? → 306

c. One semi-trailer, used with truck-tractor (power unit)

307 1 ☐ One axle on trailer
2 ☐ Two axles on trailer
3 ☐ Three or more axles on trailer
How many, IF ANY, of the trailer's axles are liftable? → 308

d. Two trailers, one semi- and one full *used with truck-tractor (power unit)

308 1 ☐ Three axles on two trailers
2 ☐ Four axles on two trailers
3 ☐ Five axles on two trailers
4 ☐ Six or more axles on two trailers
How many, IF ANY, of the trailer's axles are liftable? → 309

e. Three trailers, one semi- and two full *used with truck-tractor (power unit)

309 1 ☐ Five axles on three trailers
2 ☐ Six axles on three trailers
3 ☐ Seven axles on three trailers
4 ☐ Eight or more axles on three trailers
How many, IF ANY, of the trailer's axles are liftable? → 310

f. Other — *Please describe in detail the number of trailers and axles on those trailers. Also give number of any liftable axles on trailer(s).*

310

Item 7 — If you indicated in item 6 that you operated a truck-tractor (power unit) pulling trailer(s), what percent of annual mileage did you haul —

a. Railroad, ocean-going, or similar containers? ..... 312 %
b. Piggyback trailers? ..... 313 %

* or Semi-trailer with conversion dolly

Item 9 — How many axles are on this vehicle and how many of them are driving axles? *(Do not include axles on any trailers pulled.)*

a. Total number of axles on truck or truck-tractor (power unit) *(Include front and rear axles.)*

316 1 ☐ Two axles (4 tires)
2 ☐ Two axles (6 tires)
3 ☐ Three axles
4 ☐ Four or more axles
How many, IF ANY, are liftable axles? → 317

b. Number of driving (powered) axles on truck or truck-tractor (power unit)

318 1 ☐ One driving axle
2 ☐ Two driving axles
3 ☐ Three or more driving axles

Item 10 — What type of cab does this vehicle have?

319 1 ☐ Cab forward of engine
2 ☐ Cab over engine
3 ☐ Conventional cab
4 ☐ Cab beside engine
5 ☐ Other

Item 11a — What is the OVERALL length of this vehicle or combination as it was most often operated? *Report distance from front bumper to rear of truck or rear of the last trailer attached.* 325 Feet

b. **If this is a combination vehicle, what was the width of the trailer most often attached to the truck or power unit?** *(If more than one trailer was pulled, give the width of the widest trailer pulled.)* 326 Inches

Item 12 — What is the EMPTY weight (truck minus cargo) of this vehicle or vehicle/trailer combination?
An estimate is acceptable. 326 Pounds

Item 13 — What was the AVERAGE weight (empty weight plus weight of cargo) of the vehicle or vehicle/trailer combination when carrying a typical payload during the past year?
An estimate is acceptable. 327 Pounds

Item 14a — What was the MAXIMUM GROSS weight (MGW) at which this vehicle or vehicle/trailer combination was operated?
An estimate is acceptable. 324 Pounds

b. **What percent of annual mileage did this vehicle carry no payload?** 328

c. **What percent of annual mileage did this vehicle carry payloads that —**
(1) **filled its maximum cargo cube?** 329
(2) **weighed the maximum cargo weight?** 330

Item 15 — How many miles was this vehicle driven during 1987? 400 Miles
An estimate is acceptable.

Item 16 — How many miles has this vehicle been driven since it was manufactured? 401 Miles

NOTE — If it is no longer in your possession, please estimate the total lifetime mileage at the time you last operated it.
If the odometer/speedometer is broken, please give your best estimate.
If the odometer has turned over (100,000 + miles), please enter the total figure.

Item 17 — How many miles-per-gallon (MPG) did this vehicle average during 1987? *(Use tenths, if available.)* 402 Miles Tenths

Example: 10.5 MPG should be entered as ..... | Miles: 10 | Tenths: 5 | *Enter miles per gallon* →

Item 18 — Where was the home base of this vehicle on July 1, 1987?
If put into service after July 1, 1987, enter current home base.

404 City

405 County | 406 State | 407 ZIP Code

Continue on reverse

Item 19 — What percent of annual mileage was driven OUTSIDE the home base state? 408
An estimate is acceptable. *(If none, enter zero.)* ____ %

Item 20 — What PERCENTAGE of this vehicle's ANNUAL MILEAGE was accounted for by the type of trips listed below? *(If all trips were within one range, enter 100%. If more than one range is applicable, be sure that percentages add up to 100%.)*

Trips **off-the-road**, little travel on public roads	409	%
Trips **less than a 50** mile radius of vehicle's home base	410	%
Trips **within a 50—200** mile radius of vehicle's home base	411	%
Trips **beyond a 200** mile radius of vehicle's home base	412	%
TOTAL — *Should equal 100%* →		100%

Item 21 — Not applicable to this form.

Item 22 — What is the horsepower rating of this vehicle's engine? 341 ____ Horsepower

Item 23 — What is the size (displacement) of this vehicle's engine?
Enter cubic inches, cubic centimeters, or liters, whichever is applicable.

342 Cubic inches (CI)	OR	343 Cubic centimeters (CC)	OR	344 Liters (L)

Item 24 — What kind of fuel does this vehicle use?
348
1 ☐ Gasoline
2 ☐ Diesel
3 ☐ Liquefied petroleum gas (LPG)
4 ☐ Other — *Specify fuel* _____

Item 25 — What type of brakes does the power unit (truck or truck-tractor) have?
347
1 ☐ Hydraulic (standard)
2 ☐ Hydraulic with power assist
3 ☐ Air

Item 26 — Does this vehicle have any of the following equipment?
Mark (X) all that apply.
350 ☐ Aerodynamic features
351 ☐ Axle or drive ratio to maximize fuel efficiency
352 ☐ Fuel economy engine with low RPM, high torque rise, turbo-charge, etc.
353 ☐ Reflective materials (in addition to those required by law)
354 ☐ Radial tires
355 ☐ Road speed governor
356 ☐ Variable fan drives
357 ☐ Other fuel conservation features
358 ☐ Power steering
359 ☐ Air conditioning in cab
360 ☐ Engine retarder
361 ☐ Electronic vehicle management system
362 ☐ Electronic vehicle identification device (transponder), etc.
363 ☐ Trip recorders
364 ☐ Navigational systems

Item 27 — Who performed the general maintenance and major overhauls on this vehicle? *Mark (X) all that apply*

	General maintenance	Major overhauls
Yourself	370 ☐	378 ☐
Your company's own maintenance facilities	371 ☐	379 ☐
Dealership's service department	372 ☐	380 ☐
Leasing company	373 ☐	381 ☐
Independent garage or private mechanic (includes gasoline or service stations)	374 ☐	382 ☐
Component distributorship (engine, transmission, etc.)	375 ☐	383 ☐
No one	376 ☐	384 ☐
Other — *Specify* _____	377 ☐	385 ☐

Item 30 — From the following list of products, materials, and equipment, indicate which item or items this vehicle carried. Write in the approximate percentage of the vehicle's annual mileage that was accounted for while carrying loads. *(See instruction sheet for further explanation and examples.)*

Products, equipment, materials, etc.

(1) AGRICULTURAL AND FOOD PRODUCTS		
(a) Live animals — cattle, horses, poultry, hogs, live seafood, insects, etc.	526	%
(b) Fresh farm products — grain, crops, flowers, nursery stock, raw milk, raw tobacco, etc.	527	%
(c) Processed foods and tobacco products — canned goods, prepared meats, frozen foods, beverages, bottled water, dairy products, cigarettes, etc.	528	%
(2) MINING PRODUCTS, UNREFINED — crude oil, coal, metal ores	529	%
(3) BUILDING MATERIALS — gravel, sand, concrete, flat glass, etc. (except cut lumber — *See "Lumber."*)	530	%
(4) FORESTRY, WOOD, AND PAPER PRODUCTS	531	
(a) Logs and forest products — except cut lumber and fabricated wood products *(See below.)*		%
(b) Lumber and fabricated wood products — except furniture *(See (7) below.)*	532	%
(c) Paper and paper products	533	%
(5) CHEMICALS, PETROLEUM, AND ALLIED PRODUCTS		
(a) Chemicals and/or drugs (including fertilizers, pesticides, cosmetics, paints, etc.)	534	%
(b) Petroleum and petroleum products (including paving and roofing materials)	535	%
(c) Plastics and/or rubber products	536	%
(6) METALS AND METAL PRODUCTS	537	
(a) Primary metal products — pipes, ingots, billets, sheets, etc.		%
(b) Fabricated metal products — except machinery or transportation equipment *(See below.)*	538	%
(c) Machinery — electrical or nonelectrical and electronic	539	%
(d) Transportation equipment (including complete vehicles) and parts	540	%
(7) OTHER MANUFACTURED PRODUCTS	541	
(a) Furniture (wood and nonwood) and/or hardware — not involved in household moving		%
(b) Glass products	542	%
(c) Textiles and apparels — fibers, leather goods, carpets, clothing, etc.	543	%
(d) Miscellaneous products of manufacturing — including photographic goods, watches, clocks, jewelry, and toys	544	%
(8) MISCELLANEOUS	545	
(a) Moving of household and office furniture — from home, offices, etc., under contract		%
(b) Miscellaneous tools and/or parts for specialized use, as in a craftsman's vehicle — traveling workshop for plumbers, carpenters, road service crews, etc.	546	%
(c) Mixed cargo, general freight (including the delivery of small packages)	547	%
(d) Scrap, garbage, trash, septic tank waste	548	%
(e) Industrial water	549	%
(f) Hazardous waste	550	%
(9) OTHER (not elsewhere classified) — *Please describe in detail.*	551	
_____		%

Item 31 — At any time during 1987 was this vehicle (or combination) used to haul hazardous materials in quantities large enough to require a special placard placed on the vehicle due to the Code of Federal Regulations, title 49, Transportation?
552
1 ☐ YES — *Continue with items 31a and b*
2 ☐ NO — *SKIP to item 32*

a. What type(s) of hazardous materials were carried by this vehicle? *Mark (X) all that apply.*

Hazardous Materials

553	☐ Flammable liquids	565	☐ Blasting agents
554	☐ Combustible liquids	566	☐ Radioactive materials
555	☐ Corrosive liquids	567	☐ ORM — A, B, or C
556	☐ Poison B solids	568	☐ ORM E
557	☐ Poison B liquids	569	☐ Hazardous materials not listed above — *Specify*
558	☐ Flammable solids		
559	☐ Oxidizers		
560	☐ Flammable gas		
561	☐ Nonflammable gas		
562	☐ Poison A		
563	☐ Corrosive solids		
564	☐ Explosives, A or B		

b. Approximately what percent of this vehicle's annual mileage was accounted for by carrying these hazardous materials?
570
1 ☐ Below 10%
2 ☐ 10—24%
3 ☐ 25—49%
4 ☐ 50—74%
5 ☐ 75—100%

Item 28a — Which of the following best describes the primary way this vehicle was operated?

501
1 ☐ BUSINESS USE – Operated by and for a private business (including self-employed) or a company; used in related activities of that business (including transportation of employees) – *SKIP to item 29*
2 ☐ PERSONAL TRANSPORTATION – Operated as a personal-use vehicle in place of an automobile for pleasure driving, travel to work, etc. (NO BUSINESS USE) – *SKIP to item 32*
3 ☐ FOR HIRE – *SKIP to item 28b*
4 ☐ DAILY RENTAL OR SHORT TERM LEASE – Rented or leased out to various operators and for various activities, under daily or short term rental or lease agreements (Not motor carrier) – *SKIP to item 29*
5 ☐ MIXED

Percent business use	502	%
Percent personal use	503	%
Percent for hire (includes intercorporate hauling and rig leasing, etc.)	504	%

Complete b below

b. *If this vehicle was for hire, indicate below the type of for hire operation. Enter percentage of mileage for each category.*

(1) Operation type

MOTOR CARRIER – Operated by a company whose primary business is to provide transportation services, carrying freight belonging to others	506	%
OWNER/OPERATOR – Operated by an independent trucker who drives vehicle for himself or on lease to a company –		
as an independent	507	%
leased to a company	508	%

(2) Jurisdiction served

INTERSTATE	509	%
INTRASTATE	510	%
LOCAL – In a single municipality, contiguous municipalities or a municipality and its suburban area; in commercial zones	511	%

(3) Kind of carrier

CONTRACT – Offered transportation service to certain shippers under contracts	512	%
COMMON – Offered transportation service to the general public over regular or irregular routes	513	%
EXEMPT – transported commodities or provided types of services that were exempt from Federal regulation; operated within exempt commercial zones	514	%

(4) **Was this vehicle operated under ICC authority?** 518 1 ☐ YES 2 ☐ NO

Item 29 — Which of the following best describes your business or the part of your business in which the vehicle was used? *If the vehicle was leased, indicate business of lessee.*

525
01 ☐ AGRICULTURAL ACTIVITIES (including fisheries)
02 ☐ FORESTRY OR LUMBERING ACTIVITIES
03 ☐ CONSTRUCTION WORK – buildings, homes, roads, structures, etc.
04 ☐ CONTRACTOR ACTIVITIES OR SPECIAL TRADES – painting, plumbing, electrical work, masonry, carpentry, etc.
05 ☐ MANUFACTURING, REFINING, OR PROCESSING ACTIVITIES
06 ☐ WHOLESALE TRADE
07 ☐ RETAIL TRADE
08 ☐ BUSINESS AND PERSONAL SERVICES – used to assist in such services as lodging operations, landscaping, repair (except plumbing, electrical work, etc. – *See "Contractor Activities"*), laundry, advertising, entertainment, etc.
09 ☐ UTILITIES – Used to assist in operation or service of public utilities (telephone, gas, electric, etc.)
10 ☐ MINING OR QUARRY ACTIVITIES (includes well drilling) – used to assist in the extraction of natural resources or in hauling to processors
11 ☐ DAILY RENTAL – rented out, without a driver, to someone else on a daily or short-term basis
12 ☐ ONE-WAY RENTAL
13 ☐ GOVERNMENTAL OPERATIONS
14 ☐ NOT IN USE – vehicle idle, wrecked, awaiting repair, etc., for more than 90 days
15 ☐ FOR HIRE TRANSPORTATION – including small package delivery
16 ☐ OTHER – *Please describe in detail.*

Item 32a — Was this truck or power unit involved in any accidents during 1987?

580 1 ☐ YES – *Continue with item 32b* 2 ☐ NO – *SKIP to item 33*

b. **If this truck or power unit was involved in any accidents during 1987, how many —**

(1) involved a fatality?	581	
(2) involved no fatalities, but involved bodily injury requiring medical treatment?	582	
(3) involved property damage of $4,200 or more?	583	

Item 33 — *Please enter below the number of any ADDITIONAL trucks and/or trailers you own and/or operate at the same home base you listed in item 18.*

a. Pickups, small vans (includes mini-vans)	571	
b. Straight trucks	572	
c. Truck-tractors (power units)	573	
d. Trailers (semi- and/or full)	574	
e. Converter dollies	575	

Item 34 — *Please enter below Employer Identification (EI) Number if vehicle owned by company or Social Security Number (SSN) if vehicle owned by individual.*

EI | | | | | | | | | |

or

SSN | | | | | | | | | |

Item 35 — REMARKS — *Please use this space for any explanations that may be essential in understanding your reported data.*

Item 36 — Person to contact regarding this report

Does this person have records on (or knowledge of) the daily activities of driver (stops, weight of individual shipments, destinations of shipments, etc.)?

1 ☐ YES
2 ☐ NO

Name

Address (Number and street)

City	State	ZIP Code

Daytime telephone number →	Area code	Number	Extension, if any

If this vehicle has a fleet number, please enter it here 576