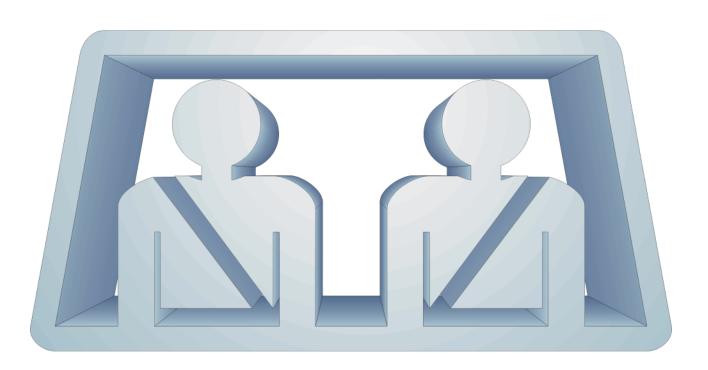
2002 Seat Belt Usage Survey



Site surveys were conducted by Iowa Department of Public Safety's Iowa State Patrol Troopers

Statistics compiled and report written by the lowa Department of Transportation's Office of Driver Services

List of Charts

Survey Results

1.	Seat Belt Usage	2
2.	Percentage of Restraint Usage by Year and Road Type	3
3.	Usage Percent by Year – All Road Types (Chart)	3
4.	Usage Percent by Year – City (Chart)	4
5.	Usage Percent by Year – Interstate (Chart)	4
6.	Usage Percent by Year – Primary (Chart)	4
7.	Usage Percent by Year – Secondary (Chart)	4
8.	Survey Results by County and Road System	5
9.	Survey Results by Population Category and Road System	6
10.	Survey Results by Road System and Population	6
11.	Survey Results by Time of Day and Road System	7
12.	Survey Results by Area and Road System	8
13.	Survey Results by Day of Week and Road System	8
	Seat Belt/Child Restraint Citations Issued	
14.	Seat Belt/Child Restraint Citations Issued by Month and Year	9
15.	Seat Belt/Child Restraint Citations Issued by Year (Chart)	9
16.	Seat Belt/Child Restraint Citations Issued by County of Residence (Map)	10
	Observation Site Selection	
17.	Site Selection Listing	11
18.	Site Selection by County Including County Populations and Number of Sites per County	12
19.	Site Selection by Area of State	13
20.	Site Selection by Population Categories	13
21.	Statewide Vehicle Miles Traveled	13

2002 SEAT BELT USAGE SURVEY

During the autumn of 2002, 82.35 percent of motorists surveyed on all lowa roadways were wearing safety belts, an increase of nearly 1.5 percent from the previous year (see Chart 1-Seat Belt Usage).

Chart 1 - Seat Belt Usage

		2001			Percent		
Road Type	Observed	Used	Percentage Used	Observed	Used	Percentage Used	Change
Statewide Total*	22,597	18,171	80.92%	15,078	12,314	82.35%	1.43%
Municipal	6,753	5,128	75.94%	5,741	4,550	79.25%	3.31%
Interstate	6,217	5,063	81.44%	2,145	1,739	81.07%	-0.37%
Primary	7,831	6,493	82.91%	5,799	4,820	83.12%	0.21%
Secondary	1,796	1,487	82.80%	1,393	1,205	86.50%	3.70%

*Estimated statewide total usage weighted by vehicle miles traveled (see Chart 21) and 95% confidence intervals with an estimated variance of +/-0.29%

For the second consecutive year safety belt usage increased on three of the four road systems studied. Belt usage on secondary road systems (county roads) led the way with a 3.7 percent increase over the previous year. Since more than 30 percent of all motor vehicle fatalities occur on secondary road systems, this usage increase is great news. Continued belt usage enforcement and ongoing public education for the motoring public concerning the importance of safety belt and child safety seat usage on the secondary road system, even for short distance trips, must be maintained.

Safety belt use on municipal road systems (city streets) increased 3.31 percent. This, too, is encouraging since more than 45 percent of all motor vehicle crashes occur on city streets and belt usage on the municipal road system has historically been the lowest of the road systems studied. In communities with good usage, sustained enforcement efforts and public education will further improve safety restraint use; in communities where usage is still low, intensified enforcement efforts and enhanced public education is necessary.

Primary System (U.S. and state highways) safety belt usage rose .21 percent. Since this falls within the +/- 0.29% estimated variance, actual belt usage could range from no increase to an increase of .5 percent. This drops usage on state and U.S. highways from the highest in 2001 to ranking third among the road systems. This is of concern to safety specialists because almost half of the traffic fatalities (47 percent) occur on the Primary Road System.

There was a decline in interstate belt use of -.37 percent. Since these surveys began this is only the second year that Interstate System usage has not been the highest of all the roadway systems. This is the fourth decline since its highest usage rate in 1995, and may be cause for concern for safety officials due to the increasing traffic density and higher travel speeds on the Interstate System. One possible explanation for this decline is the increased number of out-of-state drivers traveling through Iowa on the interstates. These drivers may not be aware of Iowa's safety belt law. Increased enforcement, public education, media-supported awareness and additional signage could restore these roadways to their highest usage status.

Belt usage for 15,078 front seat occupants of cars, vans and pickups was observed at 100 locations. Of these front seat occupants, 83.45 percent of drivers (9,537 out of 11,428) and 76.06 percent of front seat passengers (2,777 out of 3,650) were observed using safety belts. For 583 front seat occupants, belt usage or non-usage could not be determined.

Methodology

The methodology of this survey follows prior surveys by using a sample of 100 observational sites that were selected on the basis of population, geographical location, and statewide vehicle miles traveled by road system. (See Chart 17—Site Selection Listing, and Chart 18—Site Selection by County.) The surveys have primarily been conducted at the same sites since 1988. The development of the survey follows specifications of the National Highway Traffic Safety Administration². The survey was conducted by the Iowa Department of Public Safety's Iowa State Patrol Troopers, between the hours of 7 a.m. and 7 p.m., Monday through Sunday. Observations were made for approximately one hour at each site.

¹ Iowa Department of Transportation, 1999 Iowa Crash Facts, Roadway and Environment Conditions, p. 51.

^{2 &}quot;Guidelines for State Observational Surveys of Safety Belt and Motorcycles Helmet Use, *Federal Register*," Vol. 57, No. 125, June 29, 1992, p. 28903.

Belt Law Background

The lowa law mandating seat belt usage went into effect July 1, 1986. A \$10 fine, plus court costs, was effective January 1, 1987. The fine was increased to \$25, plus court costs effective July 1, 2001. The law requires front seat occupants, age 6 and older, to properly wear a seat belt in 1966 or newer model The law allows primary motor vehicles. enforcement (i.e., officers can stop a vehicle when non-use of belts is observed). Medical exemptions and other exemptions are allowed. Children under the age of 6 are covered by the child restraint law, which went into effect January 1, 1985. restraint usage law requires children under age 3 to be in an approved safety seat, and children ages 3 to 6 must be in a safety seat or seat belt in any position in the vehicle. Copies of the annual child restraint survey results are also available through the lowa Department of Transportation.

Chart 2
Percentage of Restraint Usage by Year and Road Type

Survey	All	Municipal	Interstate	Primary	Secondary
JUN 86	27%	20%	43%	27%	24%
SEP 86	46%	34%	62%	48%	42%
APR 87	63%	54%	69%	65%	64%
SEP 87	56%	48%	67%	56%	55%
SEP 88	55%	46%	69%	55%	52%
SEP 89	59%	49%	72%	56%	61%
SEP 90	61%	49%	76%	60%	61%
SEP 91	68%	64%	79%	64%	64%
SEP 92	71%	62%	83%	69%	71%
SEP 93	73%	59%	80%	73%	71%
SEP 94	73%	63%	82%	72%	72%
SEP 95	75%	65%	85%	75%	76%
SEP 96	75%	69%	85%	74%	71%
NOV 97	75%	69%	85%	74%	71%
OCT 98	77%	70%	84%	76%	79%
OCT 99	78%	72%	84%	78%	80%
OCT 00	78%	73%	82%	79%	77%
OCT 01	81%	76%	81%	83%	83%
SEP 02	82%	79%	81%	83%	87%

Enforcement

The safety belt law continues to be actively enforced in the state. There were 65,618 safety belt citations and 3,010 child restraint citations issued in 2001, an increase from 62,432 and 2,893 respectively, in 2000 (See Charts 14 through 16 for safety belt/child restrain citations issued). Iowa's safety belt usage rates followed trends similar to those in other states, showing a large increase after fines were first imposed, increasing from 27 percent in June 1986 to 63 percent in April 1987. In September 1987, usage dropped to 56 percent, but enforcement and public education has steadily increased usage to the current 82 percent.

Summary

The 82 percent seat belt usage rate in 2002 (up 11 percent since 1992) reflects active enforcement and education efforts that have occurred in lowa during the last few years. Through continuing education of the public, an active "Life Toll" campaign, seat belt enforcement, and other cooperative efforts between state and local law enforcement, lowa will strive to increase the use of seat belts and save more lives on lowa roadways.



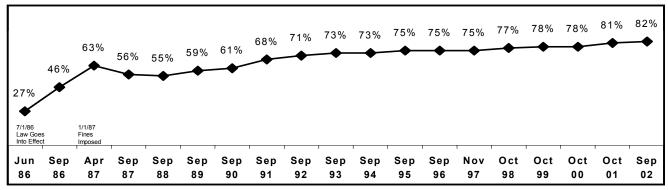


Chart 4
Usage Percent by Year - MUNICIPAL

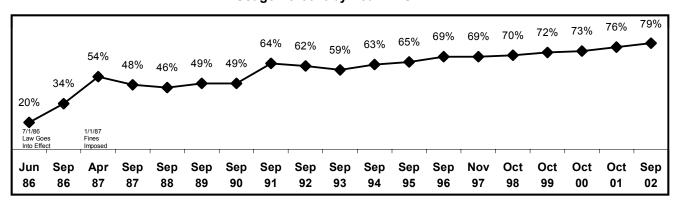


Chart 5
Usage Percent by Year - INTERSTATE

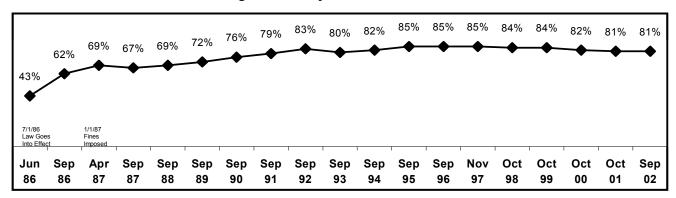


Chart 6
Usage Percent by Year - PRIMARY

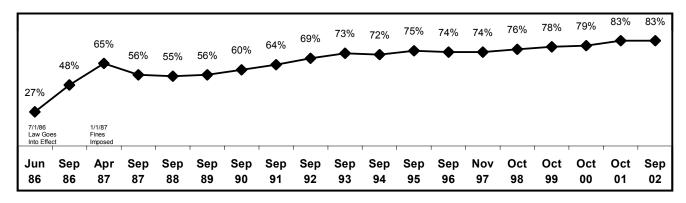


Chart 7
Usage Percent by Year - SECONDARY

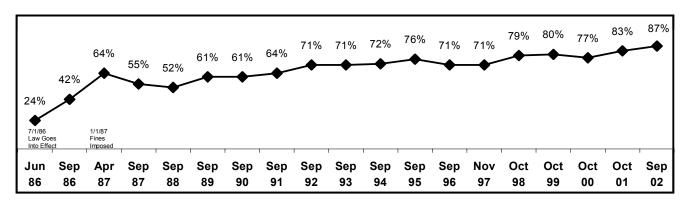


Chart 8
Survey Results by County and Road System

		Drivers	,	s by Count	Passengers	- ,	Total			
County and Road System	Number	Belted		Number	Bel		Number	Belt		
	Observed	Number	Percent	Observed	Number	Percent	Observed	Number	Percent	
BUENA VISTA Municipal	368 94	330 83	89.67% 88.30%	73 16	59 11	80.82% 68.75%	441 110	389 94	88.21% 85.45%	
Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	05.45 // N/A	
Primary	184	165	89.67%	38	31	81.58%	222	196	88.29%	
Secondary	90	82	91.11%	19	17	89.47%	109	99	90.83%	
BUTLER	362	316	87.29%	96	81	84.38%	458	397	86.68%	
Municipal	162	133	82.10%	35	25	71.43%	197	158	80.20%	
Interstate Primary	N/A 187	N/A 171	N/A 91.44%	N/A	N/A	N/A 91.38%	N/A 245	N/A 224	N/A 91.43%	
Secondary	13	12	92.31%	58 3	53 3	100.00%	16	15	93.75%	
CLARKE	591	461	78.00%	188	144	76.60%	779	605	77.66%	
Municipal	276	216	78.26%	67	44	65.67%	343	260	75.80%	
Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Primary	315	245	77.78%	121	100	82.64%	436	345	79.13%	
Secondary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
CLAY	692 409	517 301	74.71% 73.59%	236 152	160 120	67.80% 78.95%	928 561	677 421	72.95%	
Municipal Interstate	N/A	N/A	7 3.59 % N/A	N/A	N/A	76.95% N/A	N/A	N/A	75.04% N/A	
Primary	239	182	76.15%	74	35	47.30%	313	217	69.33%	
Secondary	44	34	77.27%	10	5	50.00%	54	39	72.22%	
DALLAS	218	178	81.65%	64	56	87.50%	282	234	82.98%	
Municipal	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Interstate	120	94	78.33%	38	34	89.47%	158	128	81.01%	
Primary	98	84	85.71%	26	22	84.62%	124	106	85.48%	
Secondary DECATUR	N/A 301	N/A 262	N/A 87.04%	N/A 109	N/A 92	N/A 84.40%	N/A 410	N/A 354	N/A 86.34%	
Municipal	301 N/A	262 N/A	87.04% N/A	109 N/A	92 N/A	84.40% N/A	410 N/A	354 N/A	86.34% N/A	
Interstate	100	84	84.00%	36	28	77.78%	136	112	82.35%	
Primary	109	92	84.40%	46	40	86.96%	155	132	85.16%	
Secondary	92	86	93.48%	27	24	88.89%	119	110	92.44%	
FRANKLIN	554	514	92.78%	155	128	82.58%	709	642	90.55%	
Municipal	185	171	92.43%	63	53	84.13%	248	224	90.32%	
Interstate	76	70	92.11%	35	27	77.14%	111	97	87.39%	
Primary Secondary	269 24	249 24	92.57% 100.00%	56 1	47 1	83.93% 100.00%	325 25	296 25	91.08% 100.00%	
KEOKUK	116	102	87.93%	29	24	82.76%	145	126	86.90%	
Municipal	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Primary	116	102	87.93%	29	24	82.76%	145	126	86.90%	
Secondary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
LINN	892	813	91.14%	371	310	83.56%	1,263	1,123	88.92%	
Municipal Interstate	279 127	249 112	89.25% 88.19%	122 87	104 72	85.25% 82.76%	401 214	353 184	88.03% 85.98%	
Primary	296	272	91.89%	64	46	71.88%	360	318	88.33%	
Secondary	190	180	94.74%	98	88	89.80%	288	268	93.06%	
LOUISA	197	157	79.70%	53	45	84.91%	250	202	80.80%	
Municipal	23	14	60.87%	9	4	44.44%	32	18	56.25%	
Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Primary	148	120	81.08%	35	32	91.43%	183	152	83.06%	
Secondary POLK	26 2,074	23 1,749	88.46% 84.33%	9 615	9 473	100.00%	35 2,689	32 2,222	91.43%	
Municipal	1,048	882	84.16%	397	282	76.91% 71.03%	1,445	1,164	82.63% 80.55%	
Interstate	617	518	83.95%	88	72	81.82%	705	590	83.69%	
Primary	409	349	85.33%	130	119	91.54%	539	468	86.83%	
Secondary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
POTTAWATTAMIE	1,056	777	73.58%	459	296	64.49%	1,515	1,073	70.83%	
Municipal Interstate	286	195	68.18%	129	75 72	58.14% 59.06%	415	270	65.06%	
Primary	252 413	184 317	73.02% 76.76%	124 157	72 110	58.06% 70.06%	376 570	256 427	68.09% 74.91%	
Secondary	105	81	77.14%	49	39	79.59%	154	120	77.92%	
SCOTT	984	844	85.77%	236	179	75.85%	1,220	1,023	83.85%	
Municipal	576	494	85.76%	129	92	71.32%	705	586	83.12%	
Interstate	245	218	88.98%	82	69	84.15%	327	287	87.77%	
Primary	102	84	82.35%	21	17	80.95%	123	101	82.11%	
Secondary STORY	61 1,230	48 1,028	78.69% 83.58%	4 394	1 290	25.00% 73.60%	65 1,624	49 1,318	75.38% 81.16%	
Municipal	387	323	83.46%	136	92	67.65%	523	415	79.35%	
Interstate	81	58	71.60%	37	27	72.97%	118	85	72.03%	
Primary	580	485	83.62%	131	96	73.28%	711	581	81.72%	
Secondary	182	162	89.01%	90	75	83.33%	272	237	87.13%	
WAPELLO	1,292	1,105	85.53%	435	333	76.55%	1,727	1,438	83.27%	
Municipal Interstate	349 N/A	295 N/A	84.53% N/A	154 N/A	119 N/A	77.27% N/A	503 N/A	414 N/A	82.31% N/A	
Primary	793	N/A 683	N/A 86.13%	N/A 225	N/A 168	N/A 74.67%	1,018	N/A 851	N/A 83.60%	
Secondary	150	127	84.67%	56	46	82.14%	206	173	83.98%	
WARREN	108	90	83.33%	11	11	100.00%	119	101	84.87%	
Municipal	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Primary	73	65	89.04%	5	5	100.00%	78	70	89.74%	
Secondary WASHINGTON	35 393	25 294	71.43% 74.81%	6 126	6 96	100.00% 76.19%	41 519	31 390	75.61% 75.14%	
Municipal	212	294 147	69.34%	46	96 26	76.19% 56.52%	258	173	67.05%	
Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Primary	175	143	81.71%	77	67	87.01%	252	210	83.33%	
Secondary	6	4	66.67%	3	3	100.00%	9	7	77.78%	

Chart 9
Survey Results by Population Category and Road System

Population and Road System	Total Observed	Restraint Us	sed	Restraint	Not Used	Restraint	Unknown
A Over 200,000	3,090	2,557	82.75%	439	14.21%	94	3.04%
Municipal	1,445	1,164	80.55%	253	17.51%	28	1.94%
Interstate	863	718	83.20%	104	12.05%	41	4.75%
Primary	741	644	86.91%	72	9.72%	25	3.37%
Secondary	41	31	75.61%	10	24.39%	-	0.00%
B 150,000 to 199,999	2,483	2,146	86.43%	264	10.63%	73	2.94%
Municipal	1,106	939	84.90%	136	12.30%	31	2.80%
Interstate	541	471	87.06%	54	9.98%	16	2.96%
Primary	483	419	86.75%	46	9.52%	18	3.73%
Secondary	353	317	89.80%	28	7.93%	8	2.27%
C 75,000 to 149,999	1,515	1,073	70.83%	392	25.87%	50	3.30%
Municipal	415	270	65.06%	118	28.43%	27	6.51%
Interstate	376	256	68.09%	99	26.33%	21	5.59%
Primary	570	427	74.91%	141	24.74%	2	0.35%
Secondary	154	120	77.92%	34	22.08%	-	0.00%
D 25,000 to 74,999	3,194	2,632	82.40%	453	14.18%	109	3.41%
Municipal	724	579	79.97%	118	16.30%	27	3.73%
Interstate	118	85	72.03%	15	12.71%	18	15.25%
Primary	1,874	1,558	83.14%	263	14.03%	53	2.83%
Secondary	478	410	85.77%	57	11.92%	11	2.30%
E Under 25,000	4,796	3,906	81.44%	633	13.20%	257	5.36%
Municipal	2,051	1,598	77.91%	327	15.94%	126	6.14%
Interstate	247	209	84.62%	38	15.38%	-	0.00%
Primary	2,131	1,772	83.15%	247	11.59%	112	5.26%
Secondary	367	327	89.10%	21	5.72%	19	5.18%

NOTE: Includes both drivers and front seat passengers.

Chart 10 Survey Results by Road System and Population

Road System and Population	Total Observed	Restraint	Used	Restraint	Not Used	Restraint	Unknown
Municipal	5,741	4,550	79.25%	952	16.58%	239	4.16%
Over 200,000	1,445	1,164	80.55%	253	17.51%	28	1.94%
150,000 to 199,999	1,106	939	84.90%	136	12.30%	31	2.80%
75,000 to 149,999	415	270	65.06%	118	28.43%	27	6.51%
25,000 to 74,999	724	579	79.97%	118	16.30%	27	3.73%
Under 25,000	2,051	1,598	77.91%	327	15.94%	126	6.14%
Interstate	2,145	1,739	81.07%	310	14.45%	96	4.48%
Over 200,000	863	718	83.20%	104	12.05%	41	4.75%
150,000 to 199,999	541	471	87.06%	54	9.98%	16	2.96%
75,000 to 149,999	376	256	68.09%	99	26.33%	21	5.59%
25,000 to 74,999	118	85	72.03%	15	12.71%	18	15.25%
Under 25,000	247	209	84.62%	38	15.38%	-	0.00%
Primary	5,799	4,820	83.12%	769	13.26%	210	3.62%
Over 200,000	741	644	86.91%	72	9.72%	25	3.37%
150,000 to 199,999	483	419	86.75%	46	9.52%	18	3.73%
75,000 to 149,999	570	427	74.91%	141	24.74%	2	0.35%
25,000 to 74,999	1,874	1,558	83.14%	263	14.03%	53	2.83%
Under 25,000	2,131	1,772	83.15%	247	11.59%	112	5.26%
Secondary	1,393	1,205	86.50%	150	10.77%	38	2.73%
Over 200,000	41	31	75.61%	10	24.39%	-	0.00%
150,000 to 199,999	353	317	89.80%	28	7.93%	8	2.27%
75,000 to 149,999	154	120	77.92%	34	22.08%	-	0.00%
25,000 to 74,999	478	410	85.77%	57	11.92%	11	2.30%
Under 25,000	367	327	89.10%	21	5.72%	19	5.18%

NOTE: Includes both drivers and front seat passengers.

Chart 11 Survey Results by Time of Day and Road System

				Day and Road	·	Postweint Unknown				
Time and Road System	Total Observed	Restraint Used		Restraint N			Restraint Unknown			
7:00 a.m 7:59 a.m.	1,102	905	82.12%	154	13.97%	43	3.90%			
Municipal	-	-	0.00%		0.00%	-	0.00%			
Interstate	264	218	82.58%	27	10.23%	19	7.20%			
Primary	710	580	81.69%	107	15.07%	23	3.24%			
Secondary	128	107	83.59%	20	15.63%	1	0.78%			
8:00 a.m 8:59 a.m.	601	444	73.88%	89	14.81%	68	11.31%			
Municipal	320	200	62.50%	71	22.19%	49	15.31%			
Interstate	-	-	0.00%	=	0.00%	-	0.00%			
Primary	191	160	83.77%	13	6.81%	18	9.42%			
Secondary	90	84	93.33%	5	5.56%	1	1.11%			
9:00 a.m 9:59 a.m.	1,575	1,281	81.33%	270	17.14%	24	1.52%			
Municipal	380	307	80.79%	71	18.68%	2	0.53%			
Interstate	115	92	80.00%	23	20.00%	- 00	0.00%			
Primary	1,016	834	82.09%	160	15.75%	22	2.17%			
Secondary	64	48 360	75.00%	16 77	25.00%	- 48	0.00%			
10:00 a.m 10:59 a.m.	485	-	74.23% 0.00%	//	15.88% 0.00%	48	9.90% 0.00%			
Municipal	- 204			- 47		- 24				
Interstate	204 281	136 224	66.67% 79.72%	47 30	23.04% 10.68%	21 27	10.29% 9.61%			
Primary	201	224		30		21				
Secondary 11:00 a.m 11:59 a.m.	830	- 675	0.00%	139	0.00%	- 16	0.00%			
Municipal	206		81.33%		16.75% 14.08%	16	1.93% 2.43%			
Interstate		172	83.50%	29		5				
	32 463	29 373	90.63%	3 80	9.38%	10	0.00% 2.16%			
Primary Secondary	129	101	80.56% 78.29%	27	17.28% 20.93%	10	0.78%			
12:00 p.m 12:59 p.m.	746	590	79.09%	144	19.30%	12	1.61%			
Municipal	645	510	79.09%	128	19.84%	7	1.09%			
Interstate	045	310	0.00%	120	0.00%	,	0.00%			
Primary	71	- 55	77.46%	16	22.54%	-	0.00%			
Secondary	30	25	83.33%	- 10	0.00%	5	16.67%			
1:00 p.m 1:59 p.m.	804	668	83.08%	116	14.43%	20	2.49%			
Municipal	358	295	82.40%	53	14.80%	10	2.79%			
Interstate	199	163	81.91%	30	15.08%	6	3.02%			
Primary	157	138	87.90%	15	9.55%	4	2.55%			
Secondary	90	72	80.00%	18	20.00%		0.00%			
2:00 p.m 2:59 p.m.	1,987	1,606	80.83%	283	14.24%	98	4.93%			
Municipal	170	118	69.41%	32	18.82%	20	11.76%			
Interstate	400	326	81.50%	57	14.25%	17	4.25%			
Primary	1,327	1,086	81.84%	183	13.79%	58	4.37%			
Secondary	90	76	84.44%	11	12.22%	3	3.33%			
3:00 p.m 3:59 p.m.	1,923	1,560	81.12%	306	15.91%	57	2.96%			
Municipal	1,208	916	75.83%	260	21.52%	32	2.65%			
Interstate		-	0.00%	-	0.00%	-	0.00%			
Primary	245	215	87.76%	18	7.35%	12	4.90%			
Secondary	470	429	91.28%	28	5.96%	13	2.77%			
4:00 p.m 4:59 p.m.	1,746	1,435	82.19%	207	11.86%	104	5.96%			
Municipal	820	638	77.80%	100	12.20%	82	10.00%			
Interstate	376	322	85.64%	49	13.03%	5	1.33%			
Primary	432	372	86.11%	44	10.19%	16	3.70%			
Secondary	118	103	87.29%	14	11.86%	1	0.85%			
5:00 p.m 5:59 p.m.	1,779	1,523	85.61%	202	11.35%	54	3.04%			
Municipal	742	628	84.64%	102	13.75%	12	1.62%			
Interstate	273	237	86.81%	18	6.59%	18	6.59%			
Primary	604	512	84.77%	72	11.92%	20	3.31%			
Secondary	160	146	91.25%	10	6.25%	4	2.50%			
6:00 p.m 6:59 p.m.	1,500	1,267	84.47%	194	12.93%	39	2.60%			
Municipal	892	766	85.87%	106	11.88%	20	2.24%			
Interstate	282	216	76.60%	56	19.86%	10	3.55%			
Primary	302	271	89.74%	31	10.26%	-	0.00%			
Secondary	24	14	58.33%	1	4.17%	9	37.50%			

NOTE: Includes both drivers and front seat passengers.

Chart 12 Survey Results by Area and Road System

Area of State and Road System	Total Observed	Restraint	Used	Restraint	Not Used	Restraint Unknown		
Northeast	2,430	2,162	88.97%	215	8.85%	53	2.18%	
Municipal	846	735	86.88%	92	10.87%	19	2.25%	
Interstate	325	281	86.46%	34	10.46%	10	3.08%	
Primary	930	838	90.11%	75	8.06%	17	1.83%	
Secondary	329	308	93.62%	14	4.26%	7	2.13%	
Northwest	2,993	2,384	79.65%	317	10.59%	292	9.76%	
Municipal	1,194	930	77.89%	132	11.06%	132	11.06%	
Interstate	118	85	72.03%	15	12.71%	18	15.25%	
Primary	1,246	994	79.78%	136	10.91%	116	9.31%	
Secondary	435	375	86.21%	34	7.82%	26	5.98%	
Southeast	3,861	3,179	82.34%	594	15.38%	88	2.28%	
Municipal	1,498	1,191	79.51%	279	18.62%	28	1.87%	
Interstate	327	287	87.77%	34	10.40%	6	1.83%	
Primary	1,721	1,440	83.67%	232	13.48%	49	2.85%	
Secondary	315	261	82.86%	49	15.56%	5	1.59%	
Southwest	5,794	4,589	79.20%	1,055	18.21%	150	2.59%	
Municipal	2,203	1,694	76.90%	449	20.38%	60	2.72%	
Interstate	1,375	1,086	78.98%	227	16.51%	62	4.51%	
Primary	1,902	1,548	81.39%	326	17.14%	28	1.47%	
Secondary	314	261	83.12%	53	16.88%	-	0.00%	

NOTE: Includes both drivers and front seat passengers.

Chart 13

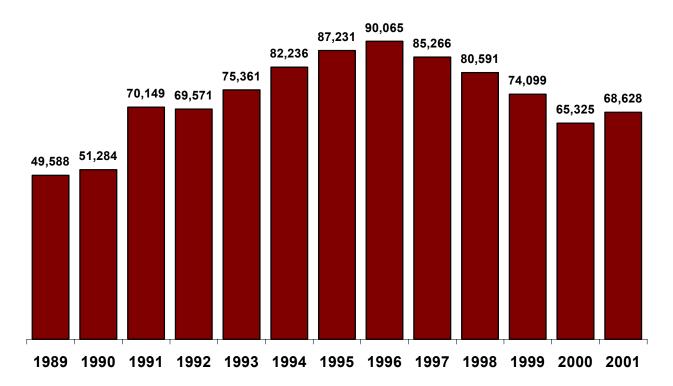
Survey Results by Day of Week and Road System Day of Week/Road Restraint Used Restraint Not Used Restraint Unknown **Total Observed** System Sunday 1,185 79.32% 258 1.494 17.27% 3.41% Municipal 775 585 75.48% 172 22.19% 18 2.32% Interstate 158 81.01% 10.13% 8.86% Primary 473 402 84.99% 53 11.21% 18 3.81% Secondary 88 70 79 55% 17 19.32% 1.14% Monday 86.30% 11 18% 2.52% 1 825 1.575 204 46 Municipal 35 4.37% 801 663 82.77% 103 12.86% Interstate 327 287 87.779 34 10.40% 6 1.83% 647 89.80% 62 0.62% Primary 581 9.58% 50 88.00% 10.00% Secondary 2.00% Tuesday 1,682 1,353 80.44% 177 10.52% 152 9.04% Municipal 415 318 76.63% 27 6.51% 70 16.87% Interstate 104 83 79.819 21 20.19% 0.00% 899 10.34% 70 81.879 7.79% Primary 736 93 Secondary 4.55% 13.64% 264 216 81.829 36 12 283 215 75.979 38 13.43% 30 10.60% Municipal 0.00% 0.00% 0.00% Interstate 0.00% 0.00% 0.00% Primary 188 141 75.00% 23 12.23% 24 12.77% Secondary 95 74 77 89% 15 15 79% 6 6.32% 3.244 2.635 81.239 522 16.09% 87 2.68% Thursday Municipal 1.99% 703 555 78.95% 134 19.06% 14 82.58% Interstate 264 218 27 10.23% 19 7.20% Primary 2,051 1,672 81.52% 328 15.99% 51 2.49% Secondary 226 84.07% 14.60% 1.33% Friday 2,630 2,168 82.439 374 14.22% 88 3.35% Municipal 1,328 1,058 79.679 229 17.24% 41 3.09% 26 Interstate 670 554 82 69% 90 13.43% 3.88% **Primary** 510 439 86.08% 50 9.80% 21 4.12% 122 117 95.90% 4.10% 0.00% Secondary Saturday 3,920 3,183 Municipal 1,719 1,371 79.76% 287 16.70% 61 3.55% Interstate 622 469 75.40% 122 19.61% 31 4.98% Primary 1,031 849 82.35% 160 15.52% 22 2.13% Secondary 548 90.15%

NOTE: Includes both drivers and front seat passengers.

Chart 14
Seat Belt/Child Restraint Citations Issued by Month and Year

Month	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Jan	4,381	3,529	5,163	4,470	4,790	6,334	5,038	4,673	5,244	4,623	4,503	4,271
Feb	4,605	6,014	6,465	5,236	6,558	7,452	6,778	6,391	5,820	6,578	5,272	6,133
Mar	5,235	6,950	6,765	6,292	8,071	7,806	10,403	9,785	8,188	6,822	6,657	6,242
Apr	4,723	7,277	6,920	6,793	8,379	7,263	8,634	8,387	7,260	6,249	7,185	6,284
May	5,666	8,272	7,517	8,457	9,090	8,826	11,266	9,131	10,205	10,075	8,268	8,374
Jun	4,625	9,029	7,043	7,015	8,070	8,727	9,416	8,367	7,138	6,148	5,292	5,816
Jul	5,169	6,108	6,556	7,016	8,023	8,504	8,646	9,039	7,489	6,962	5,795	6,574
Aug	4,241	5,865	5,798	6,017	6,801	7,284	8,887	7,931	6,553	7,143	5,847	7,269
Sep	4,127	6,215	5,740	6,889	6,381	7,773	6,458	6,489	6,827	5,540	5,382	5,564
Oct	3,476	4,146	4,095	6,235	5,360	5,399	5,036	5,737	4,774	3,920	3,613	3,603
Nov	3,186	3,253	3,804	5,499	5,522	6,430	5,387	4,991	6,192	6,048	5,205	4,797
Dec	1,850	3,491	3,705	5,442	5,191	5,433	4,116	4,345	4,901	3,987	2,306	3,701
Total	51,284	70,149	69,571	75,361	82,236	87,231	90,065	85,266	80,591	74,099	65,325	68,628

Chart 15
Seat Belt/Child Restraint Citations Issued by Year



2001 Seat Belt/Child Restraint Citations Issued by County of Residence Chart 16

Total Child Restraint Citations: 3,010 Total Seat Belt Citations: 65,618

/		<u> </u>	ر 1-	252	الر	e Dubudue			lones lackson	~	Clinton	Cedar 53 - 1,125	11 - 466	Scott 226 - 3 736	Muscatine	72 - 965	Louisa 16 - 260	1	Des Moines 41 - 759	7	_
Winneshiek Allamakee	3 - 262		te Clayton	32 11 - 352		nan Delaware	57 25 - 327		linn		0000		Johnson 11	47 - 1,729		Washington	15 - 470 Lo	Henry	19 - 568		31 - 917
Winnes	8 - 259		Fayette	29 - 432		k Buchanan	13 - 357		Benton				lowa	9 - 344				Jefferson	19 - 466	Van Buren 17 - 359	
Howard	7 - 151	Chickasaw	12 - 270	Bremer	13 - 433	Black Hawk	110 - 2,061		H					_		a Keokuk	12 - 286	Wapello	56 - 910	Davis 15 - 189	
Mitchell	9 - 153	Floyd	22 - 526	Butler	12 - 368	<u> "</u>	Grundy	66	Tama				Poweshiek	16 - 651		Mahaska	24 - 616	H			
				├	12 -		٦			Marshall	48 - 688		Jasper	28 - 948		Marion	33 - 1,306	Monroe	12 - 291	Appanoose 41 - 718	
Worth	11 - 177	Cerro Gordo	58 - 968	Franklin	7 - 264		Hardin	17 - 364		Story	26 - 943			926		 	34 - 765 33	Lucas	21 - 345	Wayne 12 - 211	
Winnebago	14 - 293	Hancock	33 - 246	Wright	23 - 268		Hamilton	11 - 328			365		Polk	347 - 6,959	ı	Warren		ķ	388	Decatur 7 - 319	
			(1)	Ė		ter	Ļ			Boone	10 - 365		Dallas	40 - 752		Madison	14 - 431	Clarke	22 - 388	<u> </u>	
Kossuth		8 - 398		Humboldt	11 - 285	Webster	38 - 88		4	Greene	19 - 227		Guthrie	14 - 262		Adair	7 - 228	Union	15 - 361	Ringgold 12 - 239	
Emmet	6 - 315	Palo Alto	6 - 316	Pocahontas	12 - 234		Calhoun	7 - 473		Carroll	642							Adams	2 - 173	Taylor 13 - 322	
	7 - 431		202		90		Sac	13 - 506		Car	14 - 642		Audubon	6 - 180		Cass	24 - 435				
Dickinson	- 2	Clay	14 - 507	Buena Vista	64 - 530		l s	16 - 309 13	_	Crawford	39 - 551		Shelby	64 - 1,101				Montgomery	34 - 523	Page 23 - 538	
Osceola	6 - 238	O'Brien	19 - 574	Cherokee	30 - 389		lda	16 -	_		e 					Pottawattamie	131 - 2,376	Mills	139	Fremont 13 - 195	
	17 - 413	Sioux	64 - 1,101	Plymouth C	16 - 645		Woodbury	94 - 1,678		Monona	18 - 219		Harrison	14 - 481		Pottk		قاً	7.	Fre 13	

Chart 17 Site Selection Listing

					311	e Selecti	OII L	isting			
C:4-	To ta l Observe d	To ta I	Usage	C	A	D = = = 4! =	D	Tim o	Road	1 4:	c :
S ite	110	Belted	Rate 85.45%	County Buena Vista	Are a	Popula tion F	рау Fri	Time 1 PM	Syste m Municipal	Location Lake @ Third	City Storm Lake
2	4 4	38	86.36%	Buena Vista	N W	Ē	Tue	3 P M	Prim a ry	Hwy 7 @ Hwy 71	
3	148	132	89.19%	Buena Vista	N W	E	Fri	3 PM	Prim a ry	Hwy 110 @ Hwy 7	
4 5	30 109	26 99	86.67% 90.83%	Buena Vista Buena Vista	N W N W	E E	Tu e Tu e	1 PM 5 PM	Primary Secondary	Hwy 7 @ Hwy 71 C 49 @ Hwy 71	
6	197	158	80.20%	B u tle r	ΝE	E	Th u	3 PM	Municipal	Main @ Third	A Iliso n
7	91	83	91.21%	Butle r	NE	E E	Mon	4 PM	Primary	Hwy 14 @ Hwy 20	
8 9	97 57	8 8 5 3	90.72% 92.98%	Butle r Butle r	N E N E	E	M o n Th u	6 PM 1 PM	Primary Primary	Hwy 188 @ Hwy 3 Hwy 14 @ Hwy 3	
10	16	15	93.75%	B u tle r	ΝE	E	Fri	5 PM	Secondary	C 55 @ Hwy 14	
11 12	343 436	260 345	75.80%	C la rke C la rke	S W S W	E E	Fri	12 PM 9 AM	Municipal	E Washington @ Main St	O sc e o la
13	146	103	79.13% 70.55%	Clay	N W	E	Sat Mon	8 A M	Primary Municipal	Hwy 34 @ Hwy 69 4th @ Grand	Spencer
14	415	318	76.63%	C la y	N W	E	Tu e	4 PM	Municipal	Grand @ 18th	Spencer
15 16	232 46	163 34	70.26% 73.91%	Clay Clay	N W N W	E E	Tu e W e d	2 PM 8 AM	Primary Primary	Hwy 18 @ Hwy 71 Hwy 240 @ Hwy 71	
17	35	20	57.14%	Clay	N W	Ē	Wed	10 A M	Prim a ry	Hwy 10 @ Hwy 71	
18	24	14	58.33%	C la y	N W	E	Tu e	6 P M	Secondary	N 14 @ Hwy 18	
19 20	30 158	25 128	83.33% 81.01%	Clay Dallas	N W S W	E A	Wed Sun	12 PM 5 PM	Secondary Interstate	B 53 @ Hwy 71 I-80 Exit #110	
21	124	106	85.48%	D a lla s	S W	A	Mon	4 PM	Prim a ry	Hwy 141 @ Hwy 210	
22	104	83	79.81%	Decatur	SW	E	Tue	9 A M	In te rsta te	I-35 Exit #12	
23 24	3 2 6 3	29 52	90.63% 82.54%	Decatur Decatur	S W S W	E E	Sat Fri	11 A M 10 A M	In te rsta te Prim a ry	I-35 Exit #22 Hwy 266 @ Hwy 69	Weldon
25	92	8 0	86.96%	Decatur	SW	E	Fri	6 P M	Prim a ry	West Jct. Hwy 69@ Hwy 2	
26	38	3 3	86.84%	Decatur	SW	E	Sat	7 A M	Secondary	J 66 @ Hwy 69	Davis City
27 28	8 1 2 4 8	77 224	95.06% 90.32%	Decatur Franklin	S W N E	E E	Fri Th u	8 A M 5 P M	Secondary Municipal	J 20 @ Hwy 204 1st @ 1st Ave	Garden Grove Hampton
29	100	88	88.00%	Fra nklin	ΝE	E	Fri	1 PM	In te rsta te	I-35 Exit #165	
3 0 3 1	1 1 6	9 6	81.82%	Franklin Franklin	N E N E	E E	Fri Fri	9 A M 11 A M	In te rsta te Prim a ry	I-35 Exit #170 Hwy 107 @ Hwy 3	
32	319	290	100.00% 90.91%	Franklin	NE	E	Mon	2 PM	Primary Primary	Hwy 65 @ Hwy 3	
33	25	2 5	100.00%	Franklin	ΝE	E	Fri	7 A M	Secondary	C 25 @ Hwy 65	
34	145	126	86.90% 86.92%	Keokuk	SE	D	Thu	8 A M	Primary	Hwy 149 @ Hwy 23	CodorDonido
35 36	237 164	206 147	89.63%	Lin n Lin n	N E N E	В В	Sat Sat	6 PM 4 PM	Municipal Municipal	First Ave @ 29th 8th Ave @ 2nd	Cedar Rapids Cedar Rapids
37	115	109	94.78%	Linn	ΝE	В	Sat	5 PM	In te rsta te	I-380 Mile Marker 25	·
38 39	99 114	75 104	75.76% 91.23%	Lin n Lin n	N E N E	B B	Sat Tue	1 PM 9 AM	In te rsta te Prim a ry	I-380 Mile Marker 13 Hwy 1@ Hwy 30	
40	161	143	88.82%	Linn	NE	В	Tue	7 A M	Prim a ry	Hwy 30 @ Hwy 1	
41	8.5	7.1	83.53%	Lin n	ΝE	В	Tue	11 A M	Prim a ry	Hwy 13 @ Hwy 151	
42 43	248 40	236 32	95.16% 80.00%	Lin n Lin n	N E N E	B B	Sat Sat	3 PM 2 PM	Secondary Secondary	E 34 @ Hwy 13 E 70 @ Hwy 151	
44	3 2	18	56.25%	Louisa	SE	Ē	Sun	9 A M	Municipal	South 4th @ Washington	Wapello
45	183	152	83.06%	Louisa	SE	E	Th u	10 A M	Prim a ry	Hwy 92 @ Hwy 61	
46 47	3 5 1 4 7	32 113	91.43% 76.87%	Lo u isa P o Ik	S E S W	E A	Th u S u n	5 PM 5 PM	Secondary Municipal	X43@Hwy92 Grand@7th	D e s M o in e s
48	248	201	81.05%	Polk	S W	A	Sat	1 PM	Municipal	Aurora @ Beaver	Des Moines
49	655	560	85.50%	Polk	SW	A	Mon	6 PM	Municipal	Meredith@Merle Hay	Des Moines
5 0 5 1	395 376	290 322	73.42% 85.64%	Polk Polk	S W S W	A A	Sun Fri	3 PM 4 PM	M unic ip a I Inte rsta te	Indianola Ave @ SE8th I-80 Exit #143	D e s M o in e s
5 2	264	218	82.58%	Polk	SW	A	Th u	7 A M	In te rsta te	I-35 Exit #92	
53	65	50	76.92%	Polk	S W	A	Fri	6 PM	In te rsta te	I-35 Rest Area	Ankony
5 4 5 5	480 59	418 50	87.08% 84.75%	Polk Polk	S W S W	A A	Sat Sun	5 PM 1 PM	Primary Primary	Hwy 160 @ Hwy 69 Hwy 945 @ Hwy 931	Ankeny
56	241	173	71.78%	Potta w a tta m ie	SW	C	Sat	4 PM	Municipal	9th Ave. @ 5 16th	C ouncil Blutts
5 7 5 8	174 79	97 55	55.75% 69.62%	Potta w a tta m ie Potta w a tta m ie	S W S W	C C	Sa t Sa t	8 A M 6 P M	M unic ip a I Inte rsta te	A Ave & 25th St I-29 Exit #47	C ouncil Blutts
59	204	136	66.67%	Potta w a tta m ie	SW	Č	Sat	10 A M	In te rsta te	I-80 Rest Area	
60	93	6 5	69.89%	Potta w a tta m ie	SW	C	Sat	2 PM	In te rsta te	I-80 Exit #40	
61 62	71 133	55 100	77.46% 75.19%	Potta w a tta m ie Potta w a tta m ie	S W S W	C C	Sat Thu	12 PM 11 AM	Primary Primary	Hwy 83 @ Hwy 59 Hwy 6 @ Hwy 191	
63	31	27	87.10%	Potta w a tta m ie	SW	č	Tue	3 PM	Primary	Hwy 191 @ Hwy 83	
64	124	94	75.81%	Potta w a tta m ie	SW	C	Tue	5 PM	Prim a ry	Hwy 92 @ Hwy 59	
65 66	211 64	151 48	71.56% 75.00%	Potta w a tta m ie Potta w a tta m ie	S W S W	C C	Th u Th u	7 A M 9 A M	Primary Secondary	Hwy 6 @ Hwy 59 M 16 @ Hwy 92	
67	90	72	80.00%	Potta w a tta m ie	SW	č	Tue	1 PM	Secondary	L 55 @ Hwy 6	
68	358	295	82.40%	Scott	SE	В	Fri	3 PM	Municipal	Kimberly @ Harrison	Davenport
69 70	347 94	291 77	83.86% 81.91%	Scott Scott	S E S E	В В	Fri Mon	5 PM 6 PM	M unicipal Interstate	Locust@Brady I-80 Exit#284 (Y40)	Davenport
71	233	210	90.13%	Scott	SE	В	Mon	2 PM	In te rsta te	I-280 Hwy 61 Exit	
72 73	1 6 7 4	14 56	87.50% 75.68%	Scott Scott	S E S E	В В	M o n W e d	4 PM 11 AM	Primary Primary	Long Grove Exit @ Hwy 61 Hwy 61 @ Hwy 22	
74	33	31	93.94%	Scott	SE	В	Wed	9 A M	Prim a ry	F 55 Exit @ Hwy 61	
75	6 5	49	75.38%	Scott	SE	В	Wed	7 A M	Secondary	Y 48 @ Hwy 61	
76 77	170 147	118 125	69.41% 85.03%	S to ry S to ry	N W N W	D D	Fri Sat	2 PM 9 AM	Municipal Municipal	JAve.@6th 6th@Grand	Nevada Ames
78	206	172	83.50%	Story	N W	D	Sat	11 A M	Municipal	Main @ Clark	Ames
79	44	3 4	77.27%	S to ry	N W	D	Fri	6 PM	In te rsta te	I-35 Rest Area	
8 0 8 1	74 433	5 1 3 5 4	68.92% 81.76%	Sto ry Sto ry	N W N W	D D	Fri Th u	2 PM 9 AM	In te rsta te Prim a ry	I-35 Exit #123 Duff Exit @ Hwy 30	A m e s
82	11	9	81.82%	Story	N W	D	Sun	1 PM	Prim a ry	Hwy 210 @ Hwy 65	7 III C 3
83	22	18	81.82%	Sto ry	N W	D	Sun	3 P M	Prim a ry	Hwy 133 @ Hwy 30	
84 85	201 44	169 31	84.08% 70.45%	S to ry S to ry	N W N W	D D	Fri Sat	4 PM 7 AM	Primary Primary	Hwy 210 @ Hwy 69 Hwy 65 @ Hwy 30	
86	222	193	86.94%	Story	N W	D	Sat	3 PM	Secondary	E 23 @ Hwy 69	
87	5 0	44	88.00%	S to ry	N W	D	Mon	2 PM	Secondary	E 63 @ Hwy 65	0.44
88 89	302 201	250 164	82.78% 81.59%	Wapello Wapello	S E S E	E D	Sat Sun	12 PM 9 AM	Municipal Municipal	Wapello St@ Albia Rd Church@ Richmond	O ttumwa O ttumwa
90	113	103	91.15%	Wapello	SE	D	Thu	6 PM	Primary	Hwy 16 @ Hwy 34	S CCUIII W a
91	776	633	81.57%	Wapello	SE	D	Thu	2 PM	Prim a rý	East Jct. Hwy 34 @ Hwy 63	
92 93	129 118	115 103	89.15% 87.29%	Wapello Wapello	S E S E	D D	S u n Th u	7 A M 4 P M	Primary Secondary	Hwy 137@ Hwy 63 T 61 @ Hwy 34	
94	88	70	79.55%	Wapello	SE	D	Sun	11 A M	Secondary	V 37 (College St) @ Hwy 34	Agency
95	78	70	89.74%	W a rre n	SW	A	Tue	7 A M	Prim a ry	Hwy 28 @ Hwy 92	M a rte n'sd a le
96 97	4 1 2 5 8	31 173	75.61% 67.05%	Warren Washington	S W S E	A E	Tu e Th u	11 A M 3 P M	Secondary Municipal	R 57 @ Hwy 92 East 7th @ North 4th	Washington
98	87	70	80.46%	W a shing to n	SE	E	Sun	7 A M	Prim a ry	Hwy 218 @ Hwy 92	g .o !!
99	165	140	84.85%	Washington	SE	E	Sun	11 A M	Primary	Hwy 1 @ Hwy 92	
100	9	7	77.78%	W a shing to n	SE	Е	Th u	8 A M	Secondary	G 6W @ Hwy 92	

Chart 18 Site Selection by County

				Site Select					
COUNTY	POPULATION	POPULATION CATEGORY	AREA	NUMBER OF SITES SELECTED					
Adair	8,409	E	SW						
Adams	4,866	E	SW						
Allamakee	13,855	E	NE						
Appanoose	13,743	E	SE						
Audubon	7,334	E	SW						
Benton	22,429	Е	NE						
Black Hawk	123,798	В	NE						
Boone	25,186	D	NW						
Bremer	22,813	В	NE						
Buchanan	20,844	Е	NE						
Buena Vista	19,965	E	NW	5					
Butler	15,731	E	NE	5					
Calhoun	11,508	E	NW						
Carroll	21,423	E	NE						
Cass	15,128	Е	SW						
Cedar	17,381	E	SE						
Cerro Gordo	46,733	D	NE						
Cherokee	14,098	E	NW						
Chickasaw	13,295	E	NE						
Clarke	8,287	E	SW	2					
Clay	17,585	E	NW	7					
Clayton	19,054	Ē	NE						
Clinton	51,040	D	SE						
Crawford	16.775	Ē	NW						
Dallas	29,755	Ā	SW	2					
Davis	8,312	E	SE						
Decatur	8,338	E	SW	6					
Delaware	18,035	E	NE	Ü					
Des Moines	42,614	D	SE						
Dickinson	14,909	Ē	NW						
Dubuque	86.403	C	NE						
Emmet	11,569	Ē	NW						
Fayette	21,843	D	NE						
Floyd	17,058	E	NE						
Franklin	11,364	E	NE	6					
Fremont	8.226	E E	SW	Ü					
Greene	10,045	Ē	NW						
Grundy	12,029	E E	NE						
Guthrie	10,935	E	NW						
Hamilton	16,071	E	NW						
Hancock	12,638	<u>_</u>	NW						
Hancock Hardin	12,638	E E	NE NE						
Harrison	19,094	<u>E</u>	SW						
	,	E							
Henry Howard	19,226	E E	SE NE						
	9,809								
Humboldt	10,756	<u>E</u>	NW						
lda	8,365	<u>E</u>	NW						
lowa	14,630	=	SE						
Jackson	19,950	E	NE						
Jasper	34.795	D	SE						

COUNTY	POPULATION	POPULATION CATEGORY	AREA	NUMBER OF SITES SELECTED
Jefferson	16,310	E	SE	
Johnson	96,119	С	SE	
Jones	19,444	E	SE	
Keokuk	11,624	E	SE	1
Kossuth	18,591	E	NW	
Lee	38,687	D	SE	
Linn	168,767	В	NE	9
Louisa	11,592	E	SE	3
Lucas	9,070	E	SE	
Lyon	11,952	E	NW	
Madison	12,483	E	SW	
Mahaska	21,522	E	SE	
Marion	30,001	D	SE	
Marshall	38,276	D	NE	
Mills	13,202	E	SW	
Mitchell	10,928	E	NE	
Monona	10,034	E	NW	
Monroe	8,114	E	SE	
Montgomery	12,076	E	SW	
Muscatine	39,907	E	SE	
O'Brien	15,444	E	NW	
Osceola	7,267	E	NW	
Page	16,870	E	SW	
Palo Alto	10,669	E	NW	
Plymouth	23,388	E	NW	
Pocahontas	9,525	E	NW	
Polk	327,140	Α	SW	9
Pottawattamie	82,628	С	SW	12
Poweshiek	19,033	E	SE	
Ringgold	5,420	E	SW	
Sac	12,324	E	NW	
Scott	150,979	В	SE	8
Shelby	13,230	E	SW	
Sioux	29,903	D	NW	
Story	74,252	D	NW	12*
Tama	17,419	E	NE	
Taylor	7,114	E	SW	
Union	12,750	E	SW	
Van Buren	7,676	E	SE	
Wapello	35,687	D	SE	7
Warren	36,033	Α	SW	2
Washington	19,612	E	SE	4
Wayne	7,067	E	SE	
Webster	40,342	D	NW	
Winnebago	12,122	E	NW	
Winneshiek	20,847	E	NE	
Woodbury	98,276	С	NW	
Worth	7,991	Е	NE	
Wright	14,269	E	NW	
Totals	2,776,755	N/A	N/A	100

Value 10,300 L 10,300

Chart 19 Site Selection by Area of State

Area of State	Northeast	Southeast	Northwest	Southwest	Totals
Number of Selected Sites	20	23	24	33	100
Number of Possible Counties	25	25	29	20	99
Number of Selected Counties	3	5	3	6	17
Percentage of Counties Selected	12.00%	16.00%	10.34%	30.00%	17.17%
Total Population in Area	799,788	744,185	588,763	644,019	2,776,755
Percentage of Total State Population	28.80%	26.80%	21.20%	23.19%	100.00%

Chart 20

Site Selection by Population Categories

Population Category	A - Over 200,000	,	C - 75,000 to 150,000	,	E - Under 25,000	Totals
Number of Selected Sites	13	17	12	19	39	100
Number of Possible Counties	3	4	4	13	75	99
Number of Selected Counties	3	2	1	2	9	17
Percentage of Counties Selected	100.00%	100.00%	20.00%	26.67%	10.53%	17.17%
Total Population in Category	327,140	319,746	487,224	593,211	1,049,434	2,776,755
Percentage of Total State Population	11.78%	11.52%	17.55%	21.36%	37.79%	100.00%

NOTE: Population numbers provided by the 1990 Census, U.S. Department of Commerce.

Chart 21
Statewide Vehicle Miles Traveled

Ctatomas vomisio minos mavoisa								
September, 2001	Municipal	Interstate	Primary	Secondary	Totals			
Miles	579	614	1,042	478	2,713			
Percentage	21.34%	22.63%	38.41%	17.62%	100.00%			

September, 2002	Municipal	Interstate	Primary	Secondary	Totals
Miles	580	580	956	423	2,539
Percentage	22.84%	22.84%	37.65%	16.66%	100.00%

NOTE: Vehicle miles traveled numbers reported in 1,000,000's and provided by the Iowa Department of Transportation's Office of Transportation Data.