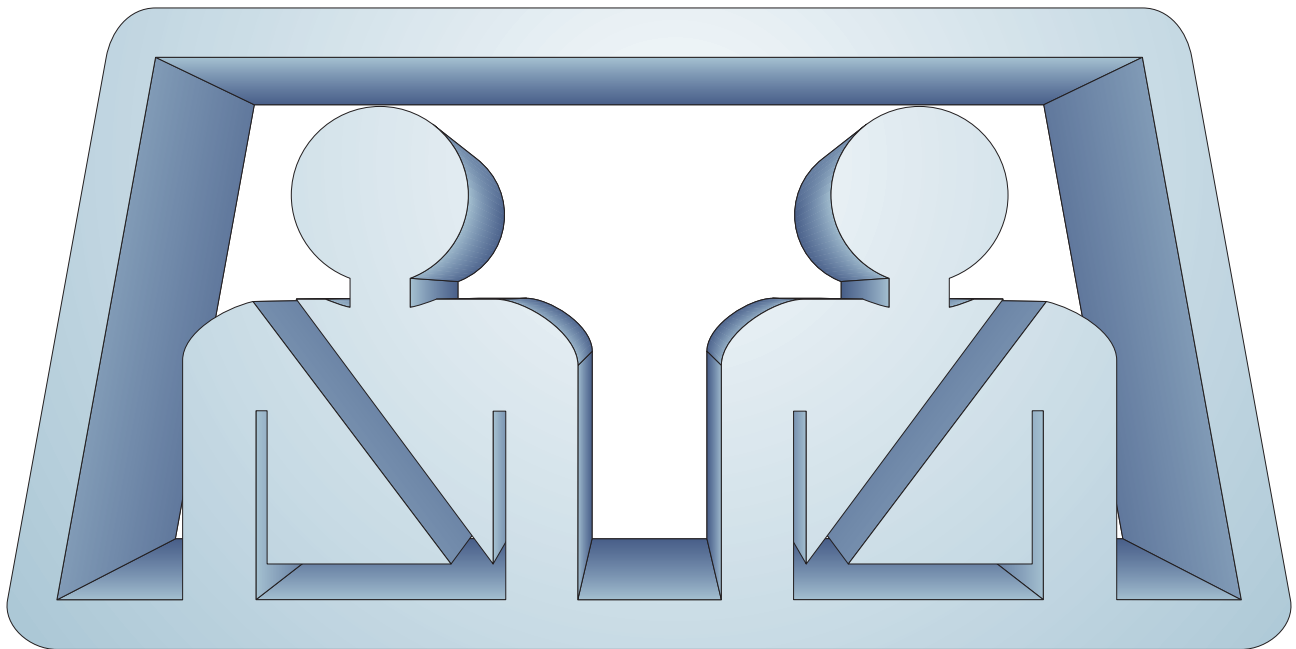


# **2007**

# **Seat Belt**

# **Usage Survey**



**Site surveys conducted by officers of the  
Iowa State Patrol, Department of Public Safety**

**Statistics compiled and survey written by the  
Office of Driver Services, Iowa Department of Transportation**

# 2007 Seat Belt Usage Survey

## List of Charts

1.	Seat Belt Usage Survey—Summary .....	2
2.	Restraint Usage by Year and Road System .....	2
3.	Usage Percent by Year—All Road Systems.....	3
4.	Usage Percent by Year—Municipal Road System.....	3
5.	Usage Percent by Year—Primary Road System .....	4
6.	Usage Percent by Year—Secondary Road System .....	4
7.	Usage Percent by Year—Interstate System.....	5
8.	April Survey by Road System .....	6
9.	July Survey by Road System .....	6
10.	April/July Change.....	6
11.	Usage by Road Systems and Population .....	7
12.	Usage by Population and Road System .....	7
13.	Usage by Area of State and Road System .....	7
14.	Usage by Day of Week and Road System .....	8
15.	Usage by Time of Day and Road System.....	8
16.	Site Selection by County .....	9
17.	Site Selection by Area of State .....	10
18.	Site Selection by Population Category .....	10
19.	Statewide Vehicle Miles of Travel .....	10
20.	April Seat Belt Survey Sites .....	11
21.	July Seat Belt Survey Sites.....	12

# 2007 Seat Belt Usage Survey

Chart 1

2007 Seat Belt Usage Survey--Summary

Road System	April Usage			July Usage			Change
	Observed	Used	Percentage	Observed	Used	Percentage	
<b>Statewide Total</b>	13,604	12,429	91.82%	15,318	13,927	91.27%	-0.54%
<b>Municipal</b>	5,976	5,409	90.51%	6,377	5,716	89.63%	-0.88%
<b>Primary</b>	5,074	4,650	91.64%	5,938	5,468	92.08%	0.44%
<b>Secondary</b>	1,132	1,039	91.78%	1,208	1,131	93.63%	1.84%
<b>Interstate</b>	1,422	1,331	93.60%	1,795	1,612	89.81%	-3.80%

Estimated statewide total April survey usage weighted by vehicles miles of travel and 95% confidence intervals for the estimated variance are +/- 0.15%

Estimated statewide total July survey usage weighted by vehicles miles of travel and 95% confidence intervals for the estimated variance are +/- 0.14%

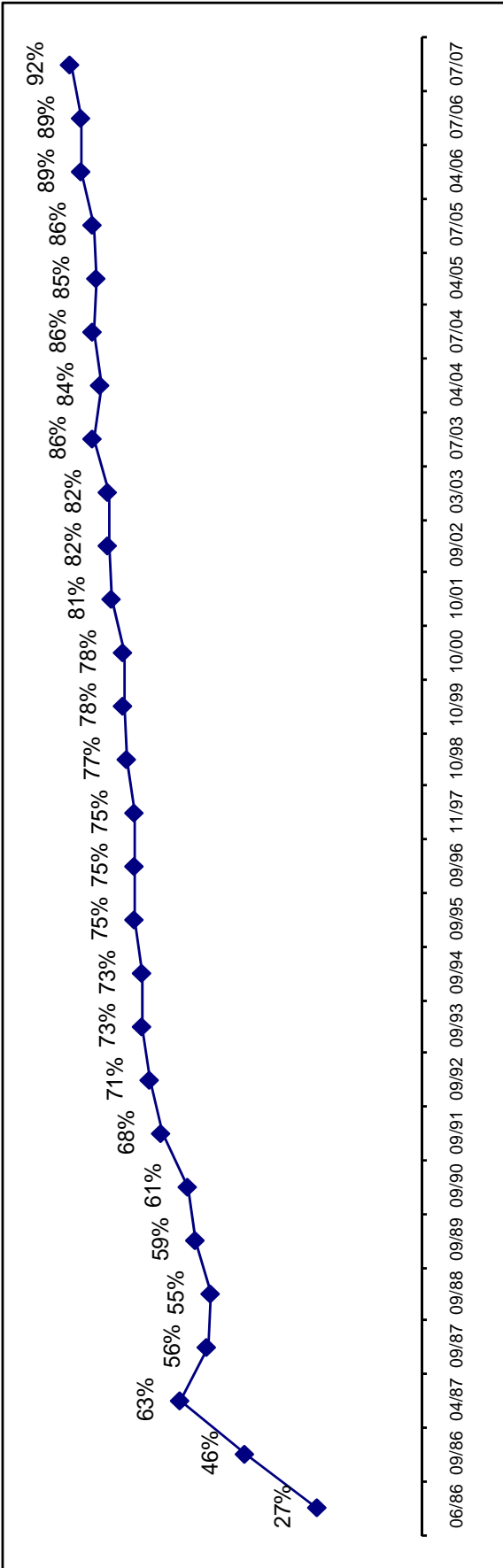
Chart 2

Restraint Usage by Year and Road System

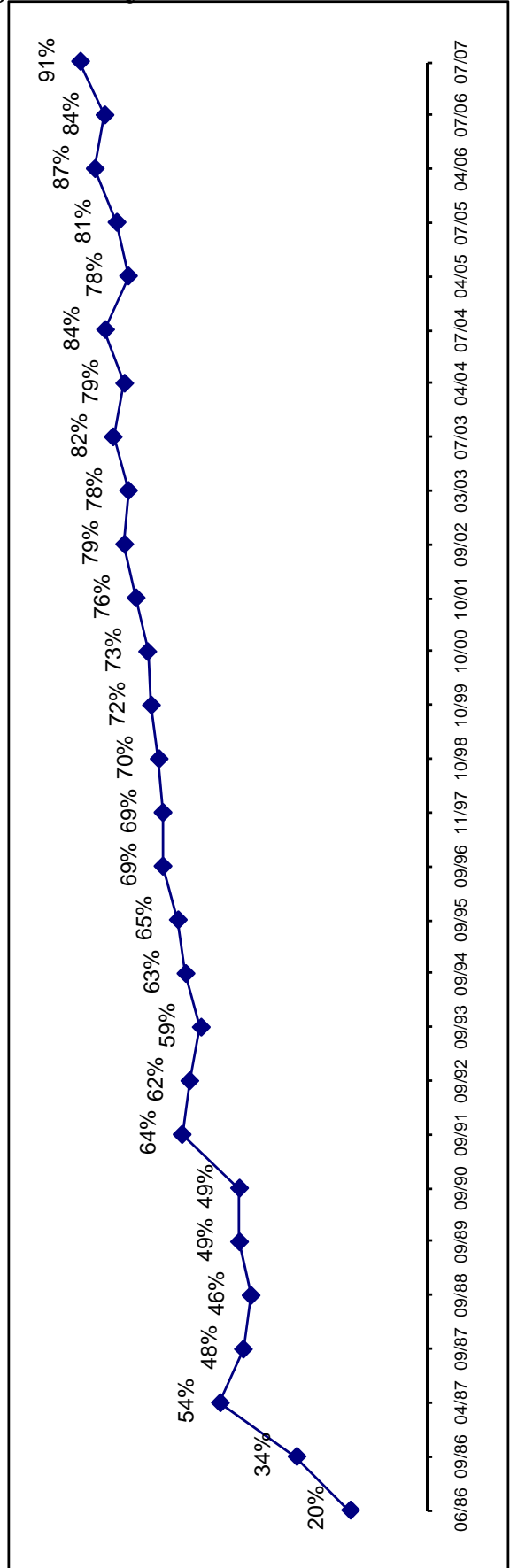
Survey	Statewide	Municipal	Primary	Secondary	Interstate
06/86	27%	20%	27%	24%	43%
09/86	46%	34%	48%	42%	62%
04/87	63%	54%	65%	64%	69%
09/87	56%	48%	56%	55%	67%
09/88	55%	46%	55%	52%	69%
09/89	59%	49%	56%	61%	72%
09/90	61%	49%	60%	61%	76%
09/91	68%	64%	64%	64%	79%
09/92	71%	62%	69%	71%	83%
09/93	73%	59%	73%	71%	80%
09/94	73%	63%	72%	72%	82%
09/95	75%	65%	75%	76%	85%
09/96	75%	69%	74%	71%	85%
11/97	75%	69%	74%	71%	85%
10/98	77%	70%	76%	79%	84%
10/99	78%	72%	78%	80%	84%
10/00	78%	73%	79%	77%	82%
10/01	81%	76%	83%	83%	81%
09/02	82%	79%	83%	87%	81%
03/03	82%	78%	86%	81%	82%
07/03	86%	82%	88%	83%	90%
04/04	84%	79%	84%	88%	84%
07/04	86%	84%	87%	86%	88%
04/05	85%	78%	87%	89%	85%
07/05	86%	81%	86%	87%	88%
04/06	89%	87%	89%	90%	90%
07/06	89%	84%	89%	90%	92%
07/07	92%	91%	92%	92%	94%

# 2007 Seat Belt Usage Survey

**Chart 3**  
Seat Belt Usage Percent by Year—All Road Systems

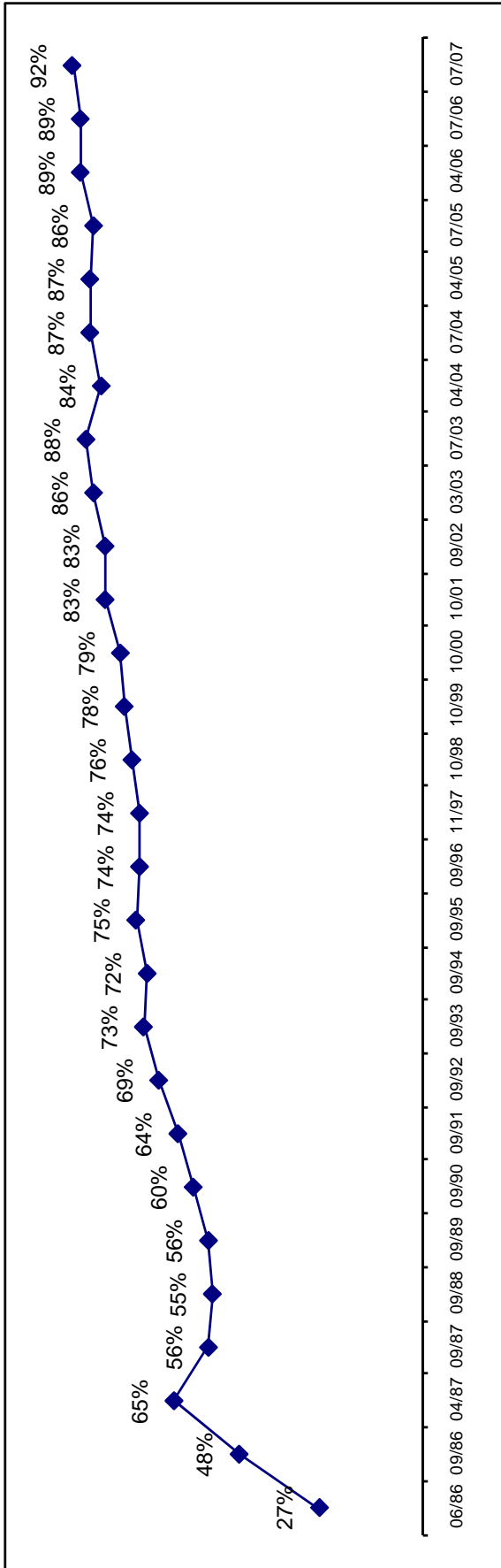


**Chart 4**  
Seat Belt Usage Percent by Year—Municipal Road System

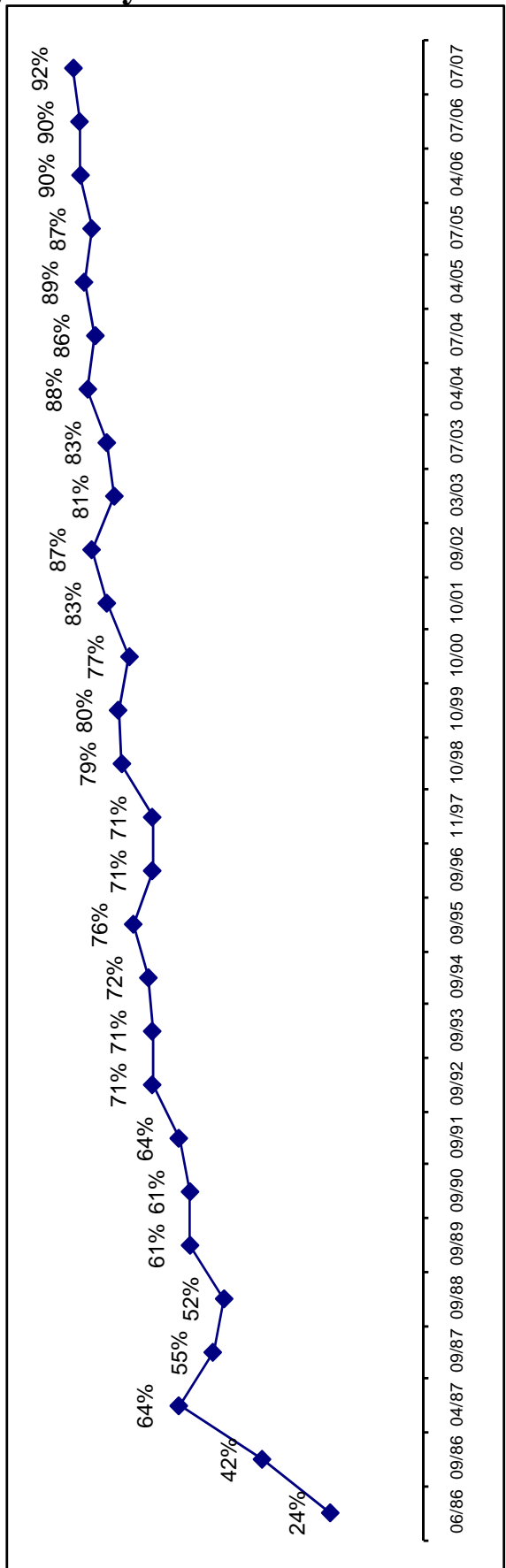


# 2007 Seat Belt Usage Survey

**Chart 5**  
Seat Belt Usage Percent by Year—Primary Road System

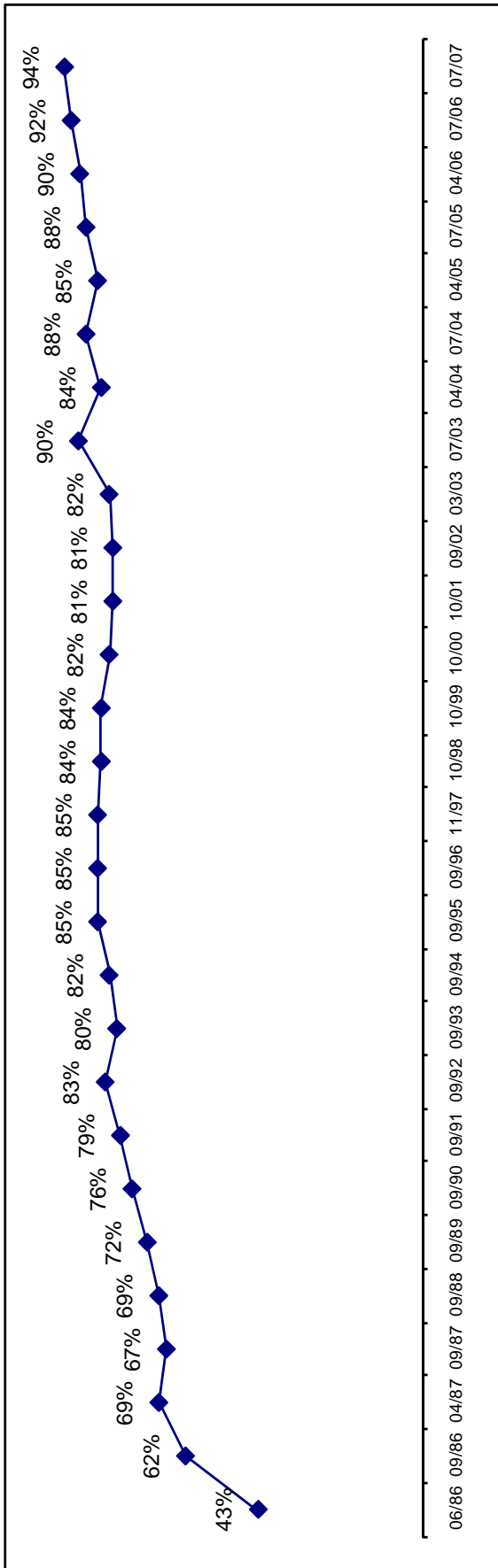


**Chart 6**  
Seat Belt Usage Percent by Year—Secondary Road System



# 2007 Seat Belt Usage Survey

Chart 7  
Seat Belt Usage Percent by Year—Interstate Highway System



# 2007 Seat Belt Usage Survey

Chart 8  
April Survey by Road System

Road System	Drivers						
	Belt		None		Unknown		Total
	#	%	#	%	#	%	#
Municipal	4,219	90.1%	387	8.3%	78	1.7%	4,684
Primary	3,631	90.3%	323	8.0%	65	1.6%	4,019
Secondary	820	90.7%	71	7.9%	13	1.4%	904
Interstate	1,017	87.6%	69	5.9%	75	6.5%	1,161
<b>Total</b>	<b>9,687</b>	<b>90.0%</b>	<b>850</b>	<b>7.9%</b>	<b>231</b>	<b>2.1%</b>	<b>10,768</b>
	Passengers						
Municipal	1,190	84.7%	180	12.8%	35	2.5%	1,405
Primary	1,019	87.7%	101	8.7%	42	3.6%	1,162
Secondary	219	89.8%	22	9.0%	3	1.2%	244
Interstate	314	88.5%	22	6.2%	19	5.4%	355
<b>Total</b>	<b>2,742</b>	<b>86.6%</b>	<b>325</b>	<b>10.3%</b>	<b>99</b>	<b>3.1%</b>	<b>3,166</b>
	Total						
Municipal	5,409	88.8%	567	9.3%	113	1.9%	6,089
Primary	4,650	89.8%	424	8.2%	107	2.1%	5,181
Secondary	1,039	90.5%	93	8.1%	16	1.4%	1,148
Interstate	1,331	87.8%	91	6.0%	94	6.2%	1,516
<b>Total</b>	<b>12,429</b>	<b>89.2%</b>	<b>1,175</b>	<b>8.4%</b>	<b>330</b>	<b>2.4%</b>	<b>13,934</b>

Chart 9  
July Survey by Road System

Road System	Drivers						
	Belt		None		Unknown		Total
	#	%	#	%	#	%	#
Municipal	4,514	89.7%	475	9.4%	46	0.9%	5,035
Primary	4,187	90.8%	339	7.3%	87	1.9%	4,613
Secondary	864	92.6%	55	5.9%	14	1.5%	933
Interstate	1,255	88.3%	130	9.1%	37	2.6%	1,422
<b>Total</b>	<b>10,820</b>	<b>90.1%</b>	<b>999</b>	<b>8.3%</b>	<b>184</b>	<b>1.5%</b>	<b>12,003</b>
	Passengers						
Municipal	1,202	85.4%	186	13.2%	19	1.4%	1,407
Primary	1,281	88.0%	131	9.0%	44	3.0%	1,456
Secondary	267	90.5%	22	7.5%	6	2.0%	295
Interstate	357	84.0%	53	12.5%	15	3.5%	425
<b>Total</b>	<b>3,107</b>	<b>86.7%</b>	<b>392</b>	<b>10.9%</b>	<b>84</b>	<b>2.3%</b>	<b>3,583</b>
	Total						
Municipal	5,716	88.7%	661	10.3%	65	1.0%	6,442
Primary	5,468	90.1%	470	7.7%	131	2.2%	6,069
Secondary	1,131	92.1%	77	6.3%	20	1.6%	1,228
Interstate	1,612	87.3%	183	9.9%	52	2.8%	1,847
<b>Total</b>	<b>13,927</b>	<b>89.4%</b>	<b>1,391</b>	<b>8.9%</b>	<b>268</b>	<b>1.7%</b>	<b>15,586</b>

Chart 10  
April/July Change

Road System	Drivers						
	Belt		None		Unknown		Total
	#	%	#	%	#	%	#
Municipal	295	-0.4%	88	1.2%	-32	-0.8%	351
Primary	556	0.4%	16	-0.7%	22	0.3%	594
Secondary	44	1.9%	-16	-2.0%	1	0.1%	29
Interstate	238	0.7%	61	3.2%	-38	-3.9%	261
<b>Total</b>	<b>1,133</b>	<b>0.2%</b>	<b>149</b>	<b>0.4%</b>	<b>-47</b>	<b>-0.6%</b>	<b>1,235</b>
	Passengers						
Municipal	12	0.7%	6	0.4%	-16	-1.1%	2
Primary	262	0.3%	30	0.3%	2	-0.6%	294
Secondary	48	0.8%	0	-1.6%	3	0.8%	51
Interstate	43	-4.5%	31	6.3%	-4	-1.8%	70
<b>Total</b>	<b>365</b>	<b>0.1%</b>	<b>67</b>	<b>0.7%</b>	<b>-15</b>	<b>-0.8%</b>	<b>417</b>
	Total						
Municipal	307	-0.1%	94	0.9%	-48	-0.8%	353
Primary	818	0.3%	46	-0.4%	24	0.1%	888
Secondary	92	1.6%	-16	-1.8%	4	0.2%	80
Interstate	281	-0.5%	92	3.9%	-42	-3.4%	331
<b>Total</b>	<b>1,498</b>	<b>0.2%</b>	<b>216</b>	<b>0.5%</b>	<b>-62</b>	<b>-0.6%</b>	<b>1,652</b>

# 2007 Seat Belt Usage Survey

Chart 11

**Seat Belt Usage by Road System and Population**

Population and Road System	Usage			
	April		July	
<b>A Over 200,000</b>	1,948	92.10%	2,167	90.56%
Municipal	1,213	93.38%	888	92.50%
Primary	433	88.01%	684	92.56%
Secondary	46	93.88%	35	94.59%
Interstate	256	93.09%	560	85.24%
<b>B 150,000 TO 199,999</b>	2,605	91.24%	3,948	91.49%
Municipal	1,110	89.23%	1,732	88.23%
Primary	904	91.87%	1,289	93.14%
Secondary	275	95.16%	406	95.08%
Interstate	316	93.49%	521	96.30%
<b>C 75,000 TO 149,999</b>	1,955	91.06%	1,503	84.68%
Municipal	681	91.29%	576	84.21%
Primary	649	89.64%	451	82.00%
Secondary	161	89.94%	118	86.76%
Interstate	464	93.17%	358	88.40%
<b>D 25,000 TO 74,999</b>	2,851	92.87%	2,283	93.45%
Municipal	1,088	91.28%	895	91.42%
Primary	1,374	94.30%	1,032	95.56%
Secondary	306	92.17%	299	94.32%
Interstate	83	93.26%	57	85.07%
<b>E Under 25,000</b>	3,070	89.84%	4,026	91.67%
Municipal	1,317	88.09%	1,625	90.73%
Primary	1,290	91.04%	2,012	92.08%
Secondary	251	88.69%	273	93.81%
Interstate	212	95.50%	116	92.80%
<b>Total</b>	12,429	91.36%	13,927	90.92%
Municipal	5,409	90.51%	5,716	89.63%
Primary	4,650	91.64%	5,468	92.08%
Secondary	1,039	91.78%	1,131	93.63%
Interstate	1,331	93.60%	1,612	89.81%

Chart 12

**Seat Belt Usage by Population and Road System**

Population and Road System	Usage			
	April		July	
<b>Municipal</b>	5,070	122.79%	5,758	124.44%
<b>Over 200,000</b>	1,188	92.38%	945	92.11%
<b>150,000 to 199,999</b>	1,110	89.23%	1,732	88.23%
<b>75,000 to 149,999</b>	681	91.29%	576	84.21%
<b>25,000 to 74,999</b>	774	90.74%	880	92.24%
<b>Under 25,000</b>	1,317	88.09%	1,625	90.73%
<b>Primary</b>	4,656	91.74%	5,141	91.82%
<b>Over 200,000</b>	365	87.95%	258	88.66%
<b>150,000 to 199,999</b>	904	91.87%	1,289	93.14%
<b>75,000 to 149,999</b>	649	89.64%	451	82.00%
<b>25,000 to 74,999</b>	1,448	94.33%	1,131	95.12%
<b>Under 25,000</b>	1,290	91.04%	2,012	92.08%
<b>Secondary</b>	1,372	92.52%	1,416	94.02%
<b>Over 200,000</b>	453	94.77%	419	94.37%
<b>150,000 to 199,999</b>	275	95.16%	406	95.08%
<b>75,000 to 149,999</b>	161	89.94%	118	86.76%
<b>25,000 to 74,999</b>	232	91.34%	200	96.15%
<b>Under 25,000</b>	251	88.69%	273	93.81%
<b>Interstate</b>	1,331	93.60%	1,612	89.81%
<b>Over 200,000</b>	256	93.09%	560	85.24%
<b>150,000 to 199,999</b>	316	93.49%	521	96.30%
<b>75,000 to 149,999</b>	464	93.17%	358	88.40%
<b>25,000 to 74,999</b>	83	93.26%	57	85.07%
<b>Under 25,000</b>	212	95.50%	116	92.80%
<b>Total</b>	12,429	91.36%	13,927	90.92%
<b>Over 200,000</b>	2,262	92.18%	2,182	90.24%
<b>150,000 to 199,999</b>	2,605	91.24%	3,948	91.49%
<b>75,000 to 149,999</b>	1,955	91.06%	1,503	84.68%
<b>25,000 to 74,999</b>	2,537	92.90%	2,268	93.80%
<b>Under 25,000</b>	3,070	89.84%	4,026	91.67%

Chart 13

**Seat Usage by Area of State and Road System**

Area of State and Road System	Usage			
	April		July	
<b>Northeast</b>	2,653	91.83%	4,020	90.81%
Municipal	169	96.02%	173	94.54%
Primary	1,471	94.66%	1,718	92.47%
Secondary	237	91.51%	536	94.37%
Interstate	776	86.22%	1,593	87.62%
<b>Northwest</b>	3,851	91.17%	3,773	91.00%
Municipal	371	94.88%	272	94.12%
Primary	437	88.64%	419	88.21%
Secondary	959	91.60%	790	86.53%
Interstate	2,084	90.89%	2,292	92.83%
<b>Southeast</b>	2,090	92.07%	2,110	91.66%
Municipal	558	90.00%	514	92.95%
Primary	674	92.58%	567	92.20%
Secondary	858	93.06%	1,029	90.74%
Interstate	0	0.00%	0	0.00%
<b>Southwest</b>	3,835	90.86%	4,024	90.57%
Municipal	1,073	91.32%	1,156	92.93%
Primary	2,376	90.48%	2,278	90.18%
Secondary	332	91.46%	515	87.73%
Interstate	54	94.74%	75	87.21%
<b>Total</b>	12,429	91.36%	13,927	90.92%
Municipal	2,171	91.91%	2,115	93.21%
Primary	4,958	91.80%	4,982	91.01%
Secondary	2,386	92.09%	2,870	89.63%
Interstate	2,914	89.66%	3,960	90.56%



# 2007 Seat Belt Usage Survey

Chart 14

Seat Belt Usage by Day of Week and Road System

Day of Week and Road System	Usage	
	April	July
<b>Sunday</b>	2,287 92.37%	2,491 92.46%
Municipal	152 92.12%	280 93.33%
Primary	1,627 91.82%	1,720 92.03%
Secondary	483 94.34%	438 94.19%
Interstate	25 92.59%	53 88.33%
<b>Monday</b>	1,249 89.92%	1,228 85.81%
Municipal	382 91.83%	342 90.96%
Primary	204 89.87%	171 84.65%
Secondary	527 90.09%	526 82.45%
Interstate	136 84.47%	189 87.91%
<b>Tuesday</b>	2,491 92.50%	2,759 92.80%
Municipal	655 93.30%	575 96.96%
Primary	291 92.38%	377 91.50%
Secondary	769 92.10%	785 89.10%
Interstate	776 92.27%	1,022 94.02%
<b>Wednesday</b>	2,514 90.63%	3,341 89.07%
Municipal	479 90.72%	433 90.40%
Primary	1,548 92.81%	1,492 89.77%
Secondary	201 90.95%	722 95.13%
Interstate	286 80.11%	694 81.55%
<b>Thursday</b>	683 87.90%	916 92.15%
Municipal	0 0.00%	0 0.00%
Primary	252 90.65%	193 89.35%
Secondary	0 0.00%	0 0.00%
Interstate	431 86.37%	723 92.93%
<b>Friday</b>	1,078 93.58%	1,165 91.59%
Municipal	360 90.91%	340 92.39%
Primary	398 95.67%	337 94.40%
Secondary	12 92.31%	12 92.31%
Interstate	308 94.19%	476 89.14%
<b>Saturday</b>	2,127 90.78%	2,027 92.01%
Municipal	143 92.26%	145 94.77%
Primary	638 88.00%	692 91.53%
Secondary	394 92.71%	387 86.77%
Interstate	952 91.71%	803 94.69%
<b>Total</b>	12,429 91.36%	13,927 90.92%
Municipal	2,171 91.91%	2,115 93.21%
Primary	4,958 91.80%	4,982 91.01%
Secondary	2,386 92.09%	2,870 89.63%
Interstate	2,914 89.66%	3,960 90.56%

Chart 15

Seat Belt Usage by Time of Day and Road System

Time of Day and Road System	Usage	
	April	July
<b>7 a.m. to 7:59 a.m.</b>	1,363 89.61%	1,476 89.78%
Municipal	203 89.04%	412 85.48%
Primary	892 89.29%	903 93.09%
Secondary	35 100.00%	36 97.30%
Interstate	233 89.96%	125 80.65%
<b>8 a.m. to 8:59 a.m.</b>	517 89.76%	664 91.71%
Municipal	84 89.36%	88 89.80%
Primary	194 88.58%	386 93.01%
Secondary	122 94.57%	104 95.41%
Interstate	117 87.31%	86 84.31%
<b>9 a.m. to 9:59 a.m.</b>	1,249 92.79%	1,419 92.02%
Municipal	712 93.07%	848 96.04%
Primary	127 94.78%	166 93.26%
Secondary	90 90.91%	66 90.41%
Interstate	320 91.95%	339 83.09%
<b>10 a.m. to 10:59 a.m.</b>	1,601 92.49%	1,443 94.69%
Municipal	548 93.04%	605 94.68%
Primary	1,053 92.21%	838 94.69%
Secondary	0 0.00%	0 0.00%
Interstate	0 0.00%	0 0.00%
<b>11 a.m. to 11:59 a.m.</b>	507 90.70%	387 83.23%
Municipal	0 0.00%	0 0.00%
Primary	234 94.74%	123 87.86%
Secondary	103 93.64%	149 80.11%
Interstate	170 84.16%	115 82.73%
<b>12 p.m. to 12:59 p.m.</b>	826 93.02%	796 94.42%
Municipal	167 91.26%	164 97.04%
Primary	241 91.98%	225 92.98%
Secondary	11 78.57%	23 92.00%
Interstate	407 94.87%	384 94.35%
<b>1 p.m. to 1:59 p.m.</b>	1,003 90.69%	781 86.59%
Municipal	92 80.70%	112 74.17%
Primary	691 92.13%	470 91.62%
Secondary	0 0.00%	0 0.00%
Interstate	220 90.91%	199 83.61%
<b>2 p.m. to 2:59 p.m.</b>	1,438 92.30%	1,983 90.88%
Municipal	188 97.41%	132 92.31%
Primary	553 93.89%	1,039 90.27%
Secondary	362 89.16%	515 93.30%
Interstate	335 90.54%	297 88.39%
<b>3 p.m. to 3:59 p.m.</b>	400 91.32%	572 94.08%
Municipal	0 0.00%	0 0.00%
Primary	102 90.27%	226 94.17%
Secondary	151 89.35%	120 93.02%
Interstate	147 94.23%	226 94.56%
<b>4 p.m. to 4:59 p.m.</b>	1,375 88.42%	1,788 86.50%
Municipal	350 86.42%	262 88.22%
Primary	470 93.07%	292 87.16%
Secondary	298 81.42%	663 80.95%
Interstate	257 92.11%	571 92.69%
<b>5 p.m. to 5:59 p.m.</b>	430 95.34%	512 93.77%
Municipal	278 93.29%	328 91.62%
Primary	100 100.00%	103 99.04%
Secondary	52 98.11%	81 96.43%
Interstate	0 0.00%	0 0.00%
<b>6 p.m. to 6:59 p.m.</b>	1,720 91.73%	2,106 92.73%
Municipal	136 91.89%	129 86.00%
Primary	1,064 92.44%	1,090 92.29%
Secondary	445 89.00%	699 93.20%
Interstate	75 98.68%	188 98.95%
<b>Total</b>	12,429 91.36%	13,927 90.92%
Municipal	2,758 91.42%	3,080 91.39%
Primary	5,721 92.11%	5,861 92.24%
Secondary	1,669 88.73%	2,456 88.86%
Interstate	2,281 91.42%	2,530 89.40%

# 2007 Seat Belt Usage Survey

Chart 16

Site Selection by County

County	Population	Category	Area	Sites	County	Population	Category	Area	Sites
Adair	8,243	E	SW		Jefferson	16,181	E	SE	
Adams	4,482	E	SW		Johnson	111,006	C	SE	
Allamakee	14,675	E	NE		Jones	20,221	E	SE	
Appanoose	13,721	E	SE		Keokuk	11,400	E	SE	1
Audubon	6,830	E	SW		Kossuth	17,163	E	NW	
Benton	25,308	E	NE		Lee	38,052	D	SE	
Black Hawk	128,012	B	NE		Linn	191,701	B	NE	9
Boone	26,224	D	NW		Louisa	12,183	E	SE	3
Bremer	23,325	B	NE		Lucas	9,422	E	SE	
Buchanan	21,093	E	NE		Lyon	11,763	E	NW	
Buena Vista	20,411	E	NW	5	Madison	14,019	E	SW	
Butler	15,305	E	NE	5	Mahaska	22,335	E	SE	
Calhoun	11,115	E	NW		Marion	32,052	D	SE	
Carroll	21,421	E	NE		Marshall	39,311	D	NE	
Cass	14,684	E	SW		Mills	14,547	E	SW	
Cedar	18,187	E	SE		Mitchell	10,874	E	NE	
Cerro Gordo	46,447	D	NE		Monona	10,020	E	NW	
Cherokee	13,035	E	NW		Monroe	8,016	E	SE	
Chickasaw	13,095	E	NE		Montgomery	11,771	E	SW	
Clarke	9,133	E	SW	2	Muscatine	41,722	E	SE	
Clay	17,372	E	NW	7	O'Brien	15,102	E	NW	
Clayton	18,678	E	NE		Osceola	7,003	E	NW	
Clinton	50,149	D	SE		Page	16,976	E	SW	
Crawford	16,942	E	NW		Palo Alto	10,147	E	NW	
Dallas	40,750	A	SW	2	Plymouth	24,849	E	NW	
Davis	8,541	E	SE		Pocahontas	8,662	E	NW	
Decatur	8,689	E	SW	6	Polk	374,601	A	SW	9
Delaware	18,404	E	NE		Pottawattamie	87,704	C	SW	12
Des Moines	42,351	D	SE		Poweshiek	18,815	E	SE	
Dickinson	16,424	E	NW		Ringgold	5,469	E	SW	
Dubuque	89,143	C	NE		Sac	11,529	E	NW	
Emmet	11,027	E	NW		Scott	158,668	B	SE	8
Fayette	22,008	D	NE		Shelby	13,173	E	SW	
Floyd	16,900	E	NE		Sioux	31,589	D	NW	
Franklin	10,704	E	NE	6	Story	79,981	D	NW	12
Fremont	8,010	E	SW		Tama	18,103	E	NE	
Greene	10,366	E	NW		Taylor	6,958	E	SW	
Grundy	12,369	E	NE		Union	12,309	E	SW	
Guthrie	11,353	E	NW		Van Buren	7,809	E	SE	
Hamilton	16,438	E	NW		Wapello	36,051	D	SE	7
Hancock	12,100	E	NW		Warren	40,671	A	SW	2
Hardin	18,812	E	NE		Washington	20,670	E	SE	4
Harrison	15,666	E	SW		Wayne	6,730	E	SE	
Henry	20,336	E	SE		Webster	40,235	D	NW	
Howard	9,932	E	NE		Winnebago	11,723	E	NW	
Humboldt	10,381	E	NW		Winneshiek	21,310	E	NE	
Ida	7,837	E	NW		Woodbury	103,877	C	NW	
Iowa	15,671	E	SE		Worth	7,909	E	NE	
Jackson	20,296	E	NE		Wright	14,334	E	NW	
Jasper	37,213	D	SE		Totals	2,926,324			100

NOTE: Population data based on the 2000 Census

# 2007 Seat Belt Usage Survey

Chart 17

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	835,135	777,502	599,002	714,685	2,926,324.00
Percentage of Total State Populatio	28.54%	26.57%	20.47%	24.42%	100.00%

Chart 18

Site Selection by Population Category

Area of State	A - Over 200,000	B - 150,000 to 200,000	C - 75,000 to 150,000	D - 25,000 to 75,000	E - Under 25,000	Total
Number of Selected Sites	13	17	12	19	39	61
Number of Possible Counties	3	4	4	13	75	24
Number of Selected Counties	3	2	1	2	9	17
Percentage of Counties Selected	3.00%	2.00%	1.00%	2.00%	9.00%	17.00%
Total Population in Area	456,022	501,706	391,730	521,663	1,055,203	2,926,324.00
Percentage of Total State Populatio	15.58%	17.14%	13.39%	17.83%	36.06%	100.00%

Chart 19

2006 Statewide Vehicle Miles of Travel

Vehicle Miles	Municipal	Rural	Total	Percentage
Statewide Total	11,899	15,320	27,219	100.00%
Municipal	6,518	NA	6,518	23.95%
Primary	3,274	6,899	10,173	37.37%
Secondary	NA	4,682	4,682	17.20%
Interstate	2,107	3,739	5,846	21.48%

NOTE: Vehicle miles of travel reported in 1,000,000 and provided by the Iowa Dept. of Transportation's Office of Transportation Data & counts only cars, pickups, vans & SUVs

# 2007 Seat Belt Usage Survey

Chart 20

## April Seat Belt Survey Sites

No	County	Area	Day	Time	Location	City	Population	System	Observed	Belted
1	Polk	SW	MON	4 PM	Aurora @ Beaver	Des Moines	A	M	187	165
2	Story	NW	SAT	6 PM	6th @ Grand	Ames	D	M	200	190
3	Story	NW	SAT	2 PM	Duff Exit @ Hwy 30	Ames	D	P	77	68
4	Story	NW	TUE	2 PM	E23 @ Hwy 69		D	S	78	74
5	Story	NW	SAT	4 PM	E63 @ Hwy 65		D	S	14	11
6	Polk	SW	WED	9 AM	7th & Grand	Des Moines	A	M	429	407
7	Story	NW	SAT	4 PM	Hwy 133 @ Hwy 30		D	P	106	97
8	Dallas	SW	SAT	2 PM	Hwy 141 @ Hwy 210		A	P	35	32
9	Polk	SW	TUE	4 PM	Hwy 160 @ Hwy 69	Ankeny	A	P	202	170
10	Story	NW	SAT	6 PM	Hwy 210 @ Hwy 65		D	P	16	15
11	Story	NW	SAT	2 PM	Hwy 210 @ Hwy 69		D	P	38	35
12	Story	NW	FRI	2 PM	Hwy 65 @ Hwy 30		D	P	105	96
13	Polk	SW	TUE	6 PM	Hwy 945 @ Hwy 931		A	P	55	48
14	Story	NW	MON	10 AM	I-35 Exit # 123		D	I	30	29
15	Polk	SW	WED	10 AM	I-35 Exit # 92		A	I	85	78
16	Polk	SW	FRI	6 PM	I-35 Rest Area		A	I	36	35
17	Story	NW	SAT	12 PM	I-35 Rest Area		D	I	59	54
18	Dallas	SW	MON	8 AM	I-80 Exit # 110		A	I	61	56
19	Polk	SW	MON	9 PM	I-80 Exit # 143		A	I	93	87
20	Polk	SW	FRI	10 AM	Indianola Ave @ SE 8th	Des Moines	A	M	349	332
21	Story	NW	MON	6 PM	J Ave. @ 6th	Nevada	D	M	76	69
22	Story	NW	MON	12 PM	Main @ Clark	Ames	D	M	217	201
23	Polk	SW	SAT	4 PM	Meredith @ Merle Hay	Des Moines	A	M	750	691
24	Clarke	SW	THU	12 PM	E Washington @ Main St	Osceola	E	M	179	142
25	Decatur	SW	THU	8 AM	J 12 @ Hwy 69	Weldon	E	P	27	25
26	Warren	SW	SAT	9 AM	Hwy 28 @ Hwy 92	Martensdale	A	P	123	115
27	Clarke	SW	MON	2 PM	Hwy 34 @ Hwy 69		E	P	374	320
28	Decatur	SW	SAT	11 AM	I-35 Exit # 12		E	I	99	90
29	Decatur	SW	THU	10 AM	I-35 Exit # 22		E	I	4	4
30	Decatur	SW	SAT	7 AM	J 20 @ R69	Garden Grove	E	S	24	21
31	Decatur	SW	MON	4 PM	J 66 @ Hwy 69	Davis City	E	S	30	25
32	Warren	SW	MON	6 PM	R 57 @ Hwy 92		A	S	49	46
33	Decatur	SW	WED	12 PM	West Jct. Hwy 69 @ Hwy 2	Leon	E	P	59	55
34	Pottawattamie	SW	MON	3 PM	9th Ave. @ S 16th	Council Bluffs	C	M	398	361
35	Pottawattamie	SW	MON	5 PM	A Ave & 25th St	Council Bluffs	C	M	348	320
36	Pottawattamie	SW	TUE	9 AM	Hwy 191 @ Hwy 83		C	P	94	85
37	Pottawattamie	SW	SAT	1 PM	Hwy 6 @ Hwy 191		C	P	259	233
38	Pottawattamie	SW	TUE	9 AM	Hwy 6 @ Hwy 59		C	P	125	113
39	Pottawattamie	SW	WED	8 AM	Hwy 83 @ Hwy 59		C	P	112	101
40	Pottawattamie	SW	WED	12 PM	Hwy 92 @ Hwy 59		C	P	134	117
41	Pottawattamie	SW	TUE	7 AM	I-29 Exit # 47		C	I	146	130
42	Pottawattamie	SW	SAT	5 PM	I-80 Exit # 40		C	I	159	146
43	Pottawattamie	SW	WED	10 AM	I-80 Rest Area		C	I	193	188
44	Pottawattamie	SW	SAT	3 PM	L 55 @ Hwy 6		C	S	143	125
45	Pottawattamie	SW	MON	1 PM	M 16 @ Hwy 92		C	S	36	36
46	Buena Vista	NW	TUE	8 AM	C 49 @ Hwy 71		E	S	109	96
47	Buena Vista	NW	TUE	10 AM	Hwy 110 @ Hwy 7		E	P	60	50
48	Buena Vista	NW	TUE	1 PM	Hwy 7 @ Hwy 71		E	P	99	93
49	Buena Vista	NW	TUE	12 PM	Hwy 7 @ Hwy 71		E	P	94	90
50	Buena Vista	NW	TUE	9 AM	Lake @ Third	Storm Lake	E	M	50	43
51	Clay	NW	THU	2 PM	4th @ Grand	Spencer	E	M	166	153
52	Clay	NW	THU	6 PM	B 53 @ Hwy 71		E	S	13	12
53	Clay	NW	THU	4 PM	Grand @ 18th	Spencer	E	M	519	475
54	Clay	NW	MON	6 PM	Hwy 10 @ Hwy 71		E	P	34	32
55	Clay	NW	MON	8 AM	Hwy 18 @ Hwy 71		E	P	66	63
56	Clay	NW	MON	12 PM	B40 @ Hwy 71		E	P	51	44
57	Clay	NW	MON	10 AM	N 14 @ Hwy 18		E	S	21	17
58	Franklin	NE	SAT	12 PM	1st @ 1st Ave	Hampton	E	M	49	49
59	Franklin	NE	FRI	3 PM	C 25 @ Hwy 65		E	S	35	35
60	Butler	NE	FRI	1 PM	C 55 @ Hwy 14		E	S	5	5
61	Franklin	NE	TUE	1 PM	Hwy 107 @ Hwy 3		E	P	13	12
62	Butler	NE	FRI	5 PM	Hwy 14 @ Hwy 20		E	P	107	103
63	Butler	NE	TUE	3 PM	Hwy 14 @ Hwy 3		E	P	40	37
64	Butler	NE	SAT	8 AM	Hwy 188 @ Hwy 3		E	P	46	43
65	Franklin	NE	TUE	5 PM	Hwy 65 @ Hwy 3		E	P	101	89
66	Franklin	NE	WED	6 PM	I-35 Exit # 165		E	I	43	43
67	Franklin	NE	WED	4 PM	I-35 Exit # 170		E	I	76	75
68	Butler	NE	WED	2 PM	Main @ Railroad	Allison	E	M	114	92
69	Linn	NE	TUE	7 AM	8th Ave @ 2nd	Cedar Rapids	B	M	260	243
70	Linn	NE	SAT	1 PM	E 34 @ Hwy 13		B	S	156	147
71	Linn	NE	SAT	8 AM	E 70 @ Hwy 151		B	S	23	22
72	Linn	NE	TUE	9 AM	First Ave @ 29th	Cedar Rapids	B	M	222	203
73	Linn	NE	FRI	1 PM	Hwy 1 @ Hwy 30		B	P	164	152
74	Linn	NE	SAT	10 AM	Hwy 13 @ Hwy 151		B	P	300	282
75	Linn	NE	FRI	10 AM	Hwy 30 @ Hwy 1		B	P	151	138
76	Linn	NE	TUE	1 PM	I-380 Mile Marker 13		B	I	116	113
77	Linn	NE	TUE	11 AM	I-380 Mile Marker 25		B	I	53	52
78	Scott	SE	TUE	4 PM	F 55 Exit @ Hwy 61		B	P	203	180
79	Scott	SE	MON	12 PM	Hwy 61 @ Hwy 22 Ramp		B	P	87	76
80	Scott	SE	SAT	5 PM	I-280 Hwy 61 Exit		B	I	0	0
81	Scott	SE	TUE	2 PM	I-80 Exit # 284 (Y40)		B	I	169	151
82	Scott	SE	TUE	6 PM	Kimberly @ Harrison	Davenport	B	M	455	421
83	Scott	SE	SAT	3 PM	Locust @ Brady	Davenport	B	M	307	243
84	Scott	SE	MON	8 AM	Long Grove Exit @ Hwy 61		B	P	79	76
85	Scott	SE	MON	10 AM	Y 48 @ Hwy 61		B	S	110	106
86	Washington	SE	FRI	11 AM	East 7th @ North 4th	Washington	E	M	56	40
87	Washington	SE	FRI	7 AM	G6W @ Hwy 92		E	S	27	22
88	Washington	SE	SAT	9 AM	Hwy 1 @ Hwy 92		E	P	111	107
89	Washington	SE	TUE	12 PM	Hwy 218 Ramp @ Hwy 92		E	P	47	44
90	Louisa	SE	FRI	9 AM	Hwy 92 @ Hwy 61		E	P	88	83
91	Louisa	SE	SAT	11 AM	South 4th @ Washington	Wapello	E	M	25	19
92	Louisa	SE	SAT	7 AM	X 43 @ Hwy 92		E	S	19	18
93	Wapello	SE	MON	9 AM	Church @ Richmond	Ottumwa	D	M	283	246
94	Wapello	SE	THU	2 PM	East Jct. Hwy 34 @ Hwy 63		D	P	671	619
95	Wapello	SE	THU	6 PM	Hwy 137 @ Hwy 63		D	P	261	254
96	Keokuk	SE	MON	11 AM	Hwy 149 @ Hwy 23		D	P	100	100
97	Wapello	SE	THU	4 PM	Hwy 16 @ Hwy 34		D	P	160	158
98	Wapello	SE	THU	2 PM	T 61 @ Hwy 34		D	P	106	94
99	Wapello	SE	THU	4 PM	V 37 (College St) @ Hwy 34 Agency		D	S	134	127
100	Wapello	SE	THU	6 PM	Wapello St @ Albia Rd	Ottumwa	E	M	337	304
									13,604	12,429

# 2007 Seat Belt Usage Survey

Chart 21

July Seat Belt Survey Sites										
No	County	Area	Day	Time	Location	City	Population	System	Observed	Belted
1	Polk	SW	FRI	2 PM	Aurora @ Beaver	Des Moines	A	M	132	112
2	Story	NW	SAT	12 PM	6th @ Grand	Ames	D	M	66	55
3	Story	NW	SAT	2 PM	Duff Exit @ Hwy 30	Ames	D	P	448	426
4	Story	NW	TUE	2 PM	E 23 @ Hwy 69		D	S	109	99
5	Story	NW	FRI	6 PM	E 63 @ Hwy 65		D	S	25	23
6	Polk	SW	WED	8 AM	Grand @ 7th	Des Moines	A	M	407	384
7	Story	NW	SAT	4 PM	Hwy 133 @ Hwy 30		D	P	116	110
8	Dallas	SW	SAT	2 PM	Hwy 141 @ Hwy 210		A	P	42	38
9	Polk	SW	SAT	8 AM	Hwy 160 @ Hwy 69	Ankeny	A	P	139	115
10	Story	NW	WED	9 AM	Hwy 210 @ Hwy 65		D	P	0	0
11	Story	NW	WED	11 AM	Hwy 210 @ Hwy 69		D	P	0	0
12	Story	NW	FRI	2 PM	Hwy 65 @ Hwy 30		D	P	95	86
13	Polk	SW	SUN	4 PM	Hwy 945 @ Hwy 931		A	P	31	30
14	Story	NW	FRI	4 PM	I-35 Exit # 123		D	I	26	22
15	Polk	SW	MON	8 AM	I-35 Exit # 92		A	I	368	315
16	Polk	SW	SAT	3 PM	I-35 Rest Area		A	I	60	54
17	Story	NW	FRI	6 PM	I-35 Rest Area		D	I	41	35
18	Dallas	SW	MON	8 AM	I-80 Exit # 110		A	I	43	40
19	Polk	SW	MON	5 PM	I-80 Exit # 143		A	I	186	151
20	Polk	SW	FRI	5 PM	Indianola Ave @ SE 8th	Des Moines	A	M	381	363
21	Story	NW	MON	6 PM	J Ave. @ 6th	Nevada	D	M	79	70
22	Story	NW	SUN	2 PM	Main @ Clark	Ames	D	M	57	49
23	Polk	SW	MON	12 PM	Meredith @ Merle Hay	Des Moines	A	M	513	470
24	Clarke	SW	THU	12 PM	E Washington @ Main St	Osceola	E	M	273	248
25	Decatur	SW	THU	8 AM	Hwy 266 @ Hwy 69	Weldon	E	P	60	53
26	Warren	SW	SAT	9 AM	Hwy 28 @ Hwy 92	Martensdale	A	P	79	75
27	Clarke	SW	MON	3 PM	Hwy 34 @ Hwy 69		E	P	406	362
28	Decatur	SW	SAT	11 AM	I-35 Exit # 12		E	I	73	66
29	Decatur	SW	THU	10 AM	I-35 Exit # 22		E	I	16	14
30	Decatur	SW	SAT	7 AM	J 20 @ Hwy 204	Garden Grove	E	S	25	20
31	Decatur	SW	MON	5 PM	J 66 @ Hwy 69	Davis City	E	S	48	43
32	Warren	SW	MON	6 PM	R 57 @ Hwy 92		A	S	37	35
33	Decatur	SW	WED	12 PM	West Jct. Hwy 69 @ Hwy 2	Leon	E	P	61	56
34	Pottawattamie	SW	MON	3 PM	9th Ave. @ S 16th	Council Bluffs	C	M	276	237
35	Pottawattamie	SW	MON	8 AM	A Ave & 25th St	Council Bluffs	C	M	408	339
36	Pottawattamie	SW	TUE	11 AM	Hwy 191 @ Hwy 83		C	P	113	89
37	Pottawattamie	SW	SAT	1 PM	Hwy 6 @ Hwy 191		C	P	155	125
38	Pottawattamie	SW	TUE	9 AM	Hwy 6 @ Hwy 59		C	P	90	76
39	Pottawattamie	SW	WED	8 AM	Hwy 83 @ Hwy 59		C	P	90	75
40	Pottawattamie	SW	WED	12 PM	Hwy 92 @ Hwy 59		C	P	102	86
41	Pottawattamie	SW	TUE	7 AM	I-29 Exit # 47		C	I	121	108
42	Pottawattamie	SW	SAT	10 AM	I-80 Exit # 40		C	I	141	118
43	Pottawattamie	SW	WED	10 AM	I-80 Rest Area		C	I	143	132
44	Pottawattamie	SW	SAT	3 PM	L 55 @ Hwy 6		C	S	114	97
45	Pottawattamie	SW	MON	1 PM	M 16 @ Hwy 92		C	S	22	21
46	Buena Vista	NW	TUE	8 AM	C 49 @ Hwy 71		E	S	90	89
47	Buena Vista	NW	TUE	10 AM	Hwy 110 @ Hwy 7		E	P	110	108
48	Buena Vista	NW	TUE	12 PM	Hwy 7 @ Hwy 71		E	P	83	82
49	Buena Vista	NW	TUE	1 PM	Hwy 7 @ Hwy 71		E	P	125	122
50	Buena Vista	NW	TUE	9 AM	Lake @ Third	Storm Lake	E	M	93	87
51	Clay	NW	THU	2 PM	4th @ Grand	Spencer	E	M	157	147
52	Clay	NW	THU	6 PM	B 53 @ Hwy 71		E	S	13	12
53	Clay	NW	THU	4 PM	Grand @ 18th	Spencer	E	M	448	431
54	Clay	NW	MON	6 PM	Hwy 10 @ Hwy 71		E	P	17	17
55	Clay	NW	MON	8 AM	Hwy 18 @ Hwy 71		E	P	70	66
56	Clay	NW	MON	12 PM	B 40 @ Hwy 71		E	P	38	35
57	Clay	NW	MON	10 AM	N 14 @ Hwy 18		E	S	0	0
58	Franklin	NE	SAT	12 AM	1st @ 1st Ave	Hampton	E	M	133	97
59	Franklin	NE	FRI	3 PM	C 25 @ Hwy 65		E	S	37	36
60	Butler	NE	FRI	1 PM	C 55 @ Hwy 14		E	S	16	14
61	Franklin	NE	TUE	1 PM	Hwy 107 @ Hwy 3		E	P	16	16
62	Butler	NE	FRI	5 PM	Hwy 14 @ Hwy 20		E	P	328	302
63	Butler	NE	TUE	3 PM	Hwy 14 @ Hwy 3		E	P	88	67
64	Butler	NE	SAT	8 AM	Hwy 188 @ Hwy 3		E	P	53	44
65	Franklin	NE	TUE	5 PM	Hwy 65 @ Hwy 3		E	P	293	269
66	Franklin	NE	WED	6 PM	I-35 Exit # 165		E	I	27	27
67	Franklin	NE	WED	4 PM	I-35 Exit # 170		E	I	9	9
68	Butler	NE	WED	2 PM	Main @ Railroad	Allison	E	M	151	112
69	Linn	NE	TUE	8 AM	8th Ave @ 2nd	Cedar Rapids	B	M	358	328
70	Linn	NE	SAT	1 PM	E 34 @ Hwy 13		B	S	239	226
71	Linn	NE	SAT	8 AM	E 70 @ Hwy 151		B	S	35	34
72	Linn	NE	TUE	9 AM	First Ave @ 29th	Cedar Rapids	B	M	324	303
73	Linn	NE	FRI	1 PM	Hwy 1 @ Hwy 30		B	P	240	225
74	Linn	NE	SAT	10 AM	Hwy 13 @ Hwy 151		B	P	542	500
75	Linn	NE	FRI	10 AM	Hwy 30 @ Hwy 1		B	P	376	355
76	Linn	NE	TUE	1 PM	I-380 Mile Marker 13		B	I	147	141
77	Linn	NE	TUE	11 AM	I-380 Mile Marker 25		B	I	84	81
78	Scott	SE	THU	3 PM	F 55 Exit @ Hwy 61		B	P	56	51
79	Scott	SE	WED	12 PM	Hwy 61 @ Hwy 22 Ramp		B	P	75	66
80	Scott	SE	THU	3 PM	I-280 Hwy 61 Exit		B	I	181	179
81	Scott	SE	WED	10 AM	I-80 Exit # 284 (Y40)		B	I	129	120
82	Scott	SE	THU	5 PM	Kimberly @ Harrison	Davenport	B	M	523	494
83	Scott	SE	SAT	3 PM	Locust @ Brady	Davenport	B	M	758	607
84	Scott	SE	THU	1 PM	Long Grove Exit @ Hwy 61		B	P	95	92
85	Scott	SE	THU	5 PM	Y 48 @ Hwy 61		B	S	153	146
86	Washington	SE	THU	10 AM	East 7th @ North 4th	Washington	E	M	120	103
87	Washington	SE	MON	12 PM	G6W @ Hwy 92		E	S	36	35
88	Washington	SE	THU	12 PM	Hwy 1 @ Hwy 92		E	P	132	126
89	Washington	SE	SUN	11 AM	Hwy 218 Ramp @ Hwy 92		E	P	74	68
90	Louisa	SE	THU	8 AM	Hwy 92 @ Hwy 61		E	P	231	219
91	Louisa	SE	SUN	7 AM	South 4th @ Washington	Wapello	E	M	9	7
92	Louisa	SE	SUN	9 AM	X 43 @ Hwy 92		E	S	26	24
93	Wapello	SE	MON	9 AM	Church @ Richmond	Ottumwa	D	M	304	280
94	Wapello	SE	THU	2 PM	East Jct. Hwy 34 @ Hwy 63		D	P	415	388
95	Wapello	SE	THU	7 PM	Hwy 137 @ Hwy 63		D	P	240	235
96	Keokuk	SE	MON	11 AM	Hwy 149 @ Hwy 23		D	P	104	103
97	Wapello	SE	THU	4 PM	Hwy 16 @ Hwy 34		D	P	110	110
98	Wapello	SE	THU	2 PM	T 61 @ Hwy 34		D	S	67	66
99	Wapello	SE	THU	4 PM	V 37 (College St) @ Hwy 34 Agency		D	S	116	111
100	Wapello	SE	THU	6 PM	Wapello St @ Albia Rd	Ottumwa	E	M	407	393
									15,318	13,927