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# Tracking Safety Belt Citations in Michigan: Testing the "Multiple Citation" UD-8

Fredrick M. Streff, Ph.D.  
Sylvia Wanner-Lang, Ph.D.  
Carl Christoff, M.S.E., M.S.W.

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16. Abstract <p>In cooperation with the Michigan Office of Highway Safety Planning (OHSP), police agencies reporting to the 87<sup>th</sup> District Court were issued "multiple citation" forms. These new citation forms (UD8s) allow officers to issue up to three citations on a single ticket form. This report describes the results of a study designed to examine effects that use of the new citation form had on citation frequency, mix, and disposition. Highlights from the study's findings are summarized below.</p> <ul style="list-style-type: none"> <li>• The total number of citations issued increases dramatically when the multiple citation form is used as compared with the standard, single citation form</li> <li>• On average, use of the new, multiple citation form resulted in an increase in the number of citations issued per stop. However, over two-thirds of all stops where a citation is issued still resulted in only a single citation being written, even with the use of the multiple citation form.</li> <li>• There was a substantial net increase in safety belt citations issued and guilty dispositions in the 87<sup>th</sup> District when the multiple citation form became available.</li> <li>• Up to one-third of all safety belt citations issued resulted in verbal warnings for multiple citation events in 1993 compared to 1992 in the 87<sup>th</sup> District. Interestingly, a person had virtually no chance of receiving a verbal warning for safety belt nonuse if a single citation was issued when stopped, but a person had up to a one in three chance of getting a verbal warning if that person was also cited for another infraction at the same stop.</li> </ul>					
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## BACKGROUND

There are a variety of strategies for promoting safety belt use in the U.S. The strategy that has proven most effective is a law requiring safety belt use. Studies show that safety belt use is highest when a state has a primary enforcement belt law (i.e., one in which drivers may be stopped for not using a safety belt), coupled with active enforcement and public information campaigns. Unfortunately, Michigan has a secondary enforcement law (that is, a person can be cited for safety belt nonuse only if that person is first stopped for some other reason). Further hampering Michigan law enforcement is the requirement that separate tickets be written for each violation. That is, an officer must duplicate writing the information identifying the offender (name, address, license number, vehicle information, etc.) for each citation the officer thinks is warranted. This is a significant disincentive for writing multiple citations. Officers may on occasion write only the most serious violation, issuing a verbal warning on the other given the hassle of repeated paperwork. A specific example would be a speeding stop in which the officer noticed the driver was not using a safety belt. The officer may well issue a citation for the speeding, letting the driver off with a verbal warning for safety belt nonuse. Officers' decisions regarding the issuance or nonissuance of a citation should not be based on paperwork expediency.

On the other hand, if officers are given a mechanism by which they could issue multiple citations without the existing disincentive of repeated forms, there is the possibility that they might, as one observer put it, "go hog wild, and double and triple up on every poor soul they happen to come across." The concern is that officers would issue more citations to each offender, creating the possibility for clogging the courts, increasing officer time required for testimony, and changes in the disposition of offenses as the court responds to possible changes in the work load volume and character. Work load character refers to the relative proportion or mix of offenses being pled before the court.

In cooperation with the Michigan Office of Highway Safety Planning (OHSP), police agencies reporting to the 87<sup>th</sup> District Court were issued "Multiple citation" forms. These new citation forms (UD8s) allow officers to issue up to three citations on a single ticket form. This report describes the results of a study designed to examine effects that the new citation form had on citation frequency, mix, and disposition.





## STUDY METHODS

Table 1 describes the basic design of the study.

87th District Court <u>Before</u> the new citation form 6/1/92-11/15/92	87th District Court <u>After</u> the new citation form 1/1/93-6/30/93
Comparison group 82nd District Court 6/1/92-11/15/92	Comparison group 82nd District Court 1/1/93-6/30/93

The procedures for sampling selected counties were finalized by representatives of OHSP, district courts, the University of Michigan Transportation Research Institute (UMTRI), and city, county, and state police agencies. It was concluded that the new multiple ticket form would be introduced into the three 87th District Court counties of Antrim, Kalkaska, and Otsego in January of 1993. The three 82nd District Court counties of Ogemaw, Oscoda, and Alcona were selected as comparison counties in which only the single citation form was used. Because data from Alcona county are not computerized, this county was excluded from the analyses.

### ***Data Collection***

A list of all civil infractions and misdemeanors issued by police during the time periods identified in Table 1 was obtained from the two district courts. Court staff supervised the copying of these data from computer files onto tapes that were then forwarded to UMTRI personnel. These data include both vehicle and nonvehicle citations for each county during the two time periods. Court personnel also provided file specifications and layouts to enable UMTRI staff to decipher the data. This documentation was used to identify violations, issue dates, court dispositions, fines, and identifying information for each offender. In order to analyze only traffic infractions, all civil and misdemeanor violations written by police were identified, and only traffic infractions were selected for subsequent analysis. Traffic violations issued to commercial truck drivers were excluded from analysis because data were not complete for these violations (i.e., not all violations written by the State Police, Motor Carrier Division were available in the district court records).

## RESULTS

### *Total Citations*

We see from Table 2a that from 1992 to 1993 the total number of traffic citations increased for the counties in the 87th District. A total of 7,003 traffic citations were issued when the multiple citation form was used, as compared with the 4,864 issued when the single citation form was used. This is an increase of 2,139 citations (44 percent) from 1992 to 1993.

Table 2a. Number of Citations Issued by County and Date								
87th District Court								
	6/1/92 -- 11/15/92				1/1/93 -- 6/30/93			
	Antrim	Kalkaska	Otsego	Subtotal 87th District	Antrim	Kalkaska	Otsego	Subtotal 87th District
Single citation issued	1,249	1,690	1,347	4,286	1,161	1,291	1,370	3,822
Multiple citations issued	95	200	283	578	510	1,197	1,474	3,181
% of ALL citations issued as single citation	92.9%	89.4%	82.6%	88.1%	69.5%	51.9%	48.2%	54.6%
Total number of citations issued	1,344	1,890	1,630	4,864	1,671	2,488	2,844	7,003

Individually, each of the 87th District counties shows an increase in the total number of traffic citations issued when the multiple citation form was used compared to when the single citation form was used. Antrim had a 24.3 percent increase while Kalkaska shows a 31.6 percent increase. Otsego showed the largest change of the three counties with a 74.5 percent increase between the two time periods.

The total number of traffic citations issued in the two counties of the 82nd District varied considerably between the two counties (Table 2b). Ogemaw county had a 33.2 percent drop from 1992 to 1993, while Oscoda county shows about a 5 percent decrease. Recall that the single citation form was used in both these comparison counties during both time periods.



Table 2b. Number of Citations Issued by County and Date						
82nd District Court						
	6/1/92 – 11/15/92			1/1/93 – 6/30/93		
	Ogemaw	Oscoda	Subtotal 82nd District	Ogemaw	Oscoda	Subtotal 82nd District
Single citation issued	3,087	544	3,631	2,067	499	2,566
Multiple citations issued	1,149	93	1,242	761	105	866
% of ALL citations issued as single citation	72.9%	85.4%	74.5%	73.1%	82.6%	74.8%
Total number of citations issued	4,236	637	4,873	2,828	604	3,432

These results show that the total number of citations issued increases dramatically when the multiple citation form is used as compared with the standard, single citation form. Unlike the single citation form on which only one citation can be issued, officers seem to write a substantial number of multiple citations to offenders when the multiple citation form is in use.

### ***Single or Multiple Citations?***

Police officers can issue one or more citations per stop regardless of what type of form (single or multiple) is used. We determined both the number and type of citation issued at each stop (hereafter called an "event") in order to examine what and how many violations officers cited per event. Events were counted by matching drivers license number with offense issue date for each citation. Events were classified according to the number of citations issued to a given offender subsequent to being pulled over. When the drivers license number was missing for a given case, any multiple matches with a given issue date were checked with name of driver to ensure accurate matches.

In 1992 (when the single citation form was being used), between 82.6 and 92.9 percent of all events resulted in only a single citation being issued in the three 87th District counties. In the 87th District overall, 88.1 percent of events resulted in a single citation being issued (Table 2a).

In 1993 (when the multiple citation form was in use), the proportion of events resulting in only a single citation being issued declined dramatically in each of the 87th District counties. When the multiple citation form was used in the 87th District, only 54.6 percent of events resulted in a single citation being issued (a 38 percent decrease in single citation events -- conversely, a 38 percent *increase* in multiple citation events).

In the 82nd District (the comparison group in which the single citation form was used during both time periods examined), the proportion of events resulting in only a single citation being issued remained fairly constant between time periods. About 75 percent of events in the 82nd District resulted in only a single citation being issued in 1992 and 1993.

What we know to this point is that, concurrent with the use of the new, multiple citation form, there was an increase in the total number of citations issued and an increase in the number of citations resulting from stops in which more than one citation was issued. Given these findings, the question now becomes, "Was the increase due to officers making more stops, or writing more tickets given a stop has occurred, or some combination of the two?" The next section describes results of analyses conducted to determine how many police stops (events) occurred during the two time periods.

### ***How many were stopped?***

Table 3a shows the number of vehicle stops (events) that resulted in at least one citation being issued for each county in the 87th District. The total number of events increased somewhat between 1992 and 1993 for Antrim and Kankaskia counties, and increased substantially in Otsego county. For the 87th District as a whole there were 702 more events in 1993 than 1992. With the notable exception of Otsego county, it would appear that use of the multiple citation form did not increase the number of traffic stops made by police. Indeed, the increase seen in Otsego county may be due to what is called the "Hawthorne effect;" that is, the officers responded to the increased attention they received by virtue of the new citation form and not the form itself. On the other hand, officers may have felt more empowered to make stops given that police managers gave them a new, more powerful tool to enforce traffic laws, and thus they made stops more readily than they had in the past. There is no strong data to point to which hypothesis (or some other unnamed hypothesis) is responsible for the differences among the counties in the 87th District.



Table 3a. Number of Vehicle Stops -- Events by County and Date								
87th District Court								
	6/1/92 -- 11/15/92				1/1/93 -- 6/30/93			
	Antrim	Kalkaska	Otsego	Subtotal 87th District	Antrim	Kalkaska	Otsego	Subtotal 87th District
Single citation issued	1,249	1,690	1,347	4,280	1,161	1,291	1,370	4,122
Multiple citations issued	47	96	137	280	234	543	663	1,140
% of ALL events that issued single citation	96.4%	94.6%	90.8%	93.9%	83.2%	70.4%	67.4%	78.3%
Total number of events	1,296	1,786	1,484	4,560	1,395	1,834	2,033	5,262

Table 3b tells a quite different tale. In Ogemaw county (82nd District), over 1200 fewer tickets were written in 1993 than in 1992, while Oscoda county saw no such decrease in vehicle stops between the two years. It is unclear what happened in Ogemaw county to cause the sharp decline in stops, but along with staffing and budget constraints, the possibility that some officers decreased their production to emphasize the perceived need for the multiple citation form (control group reactivity) should not be overlooked.

Table 3b. Number of Vehicle Stops -- Events by County and Date						
82nd District Court						
	6/1/92 -- 11/15/92			1/1/93 -- 6/30/93		
	Ogemaw	Oscoda	Subtotal 82nd District	Ogemaw	Oscoda	Subtotal 82nd District
Single citation issued	3,087	544	3,631	2,067	499	2,566
Multiple citations issued	529	43	572	343	47	390
% of ALL events that issued single citation	85.4%	92.7%	86.4%	85.8%	91.4%	86.8%
Total number of events	3,616	587	4,203	2,410	546	2,956

To further explore the interplay between number of stops officers made and the number of citations that were written, Tables 4a and 4b show the number of citations issued *per event* for each of the counties and time periods. These tables show that prior to the availability of the multiple citation form, police in the counties of the 87th District wrote 1.07 tickets per stop (107 tickets for every 100 stops), while police in the counties of the 82nd District wrote slightly more (1.16 tickets per stop or 116 tickets for every 100 stops). In 1993, the number of citations issued per stop increased in every county in the 87th District (1.33 tickets per stop or 133 tickets for every 100 stops district-wide), and remained virtually unchanged in the counties of the 82nd District. This shows that (on average) use of the new, multiple citation form resulted in an increase in the number of citations issued per stop. However, recall that over two-thirds of all stops where a citation is issued still resulted in only a single citation being written even with the use of the multiple citation form.

Table 4a. Number of Citations Issued per Event by County and Date								
87th District Court								
	6/1/92 -- 11/15/92				1/1/93 -- 6/30/93			
	Antrim	Kalkaska	Otsego	Subtotal 87th District	Antrim	Kalkaska	Otsego	Subtotal 87th District
Number of citations issued per event	1.04	1.06	1.10	1.07	1.20	1.36	1.40	1.33
Total number of citations issued	1,344	1,890	1,630	4,864	1,671	2,488	2,844	7,003
Total number of events	1,296	1,786	1,484	4,560	1,395	1,834	2,033	5,262

Table 4b. Number of Citations Issued per Event by County and Date						
82nd District Court						
	6/1/92 -- 11/15/92			1/1/93 -- 6/30/93		
	Ogemaw	Oscoda	Subtotal 82nd District	Ogemaw	Oscoda	Subtotal 82nd District
Number of citations issued per event	1.17	1.09	1.16	1.17	1.11	1.16
Total number of citations issued	4,236	637	4,873	2,828	604	3,432
Total number of events	3,616	587	4,203	2,410	546	2,956



### ***What about safety belt citations?***

Having established that more stops were made, and more citations were issued per stop in the 87th District concurrent with use of the new, multiple citation form, we turn our attention now to the nature and disposition of the citations issued in the 87th District. We do this to determine if the number of citations being issued in the two time periods varied by the type of citation issued, and if the disposition of the charges varied between the time periods.

Tables 5a through 5c show the number and disposition of safety belt citations issued in each of the three counties in the 87th District. Each of the columns of the table represents a given disposition (e.g., column 1 describes cases in which the defendant was either found guilty or admitted guilt). In addition to the number of citations resulting in each disposition, the average fine and standard deviation of the average fine is given (indeed, this same format is used in each of the Tables 5a through 9c).

There was a substantial net increase of safety belt citations issued and guilty dispositions in the 87th District when the multiple citation form became available. Although there was a net increase in belt citations in both Kalkaska and Otsego counties, they achieved this change differently. In Kalkaska county, there were large reductions in the number of single citation events resulting in a belt citation, but these reductions were more than offset by increases in the number of belt citations issued in multiple citation events. In Otsego county, the number of belt citations issued in both single and multiple citation events increased. On the other hand, the net number of belt citations issued in Antrim county declined between 1992 and 1993. In Antrim county, the decrease in belt citations issued during single citation events was not fully offset by an increase in belt citations issued in multiple citation events as it was in Kalkaska county.

A substantial proportion of citations resulted in verbal warning dispositions from the court (13.9 to 34.9 percent of dispositions) for multiple citation events in 1993. Interestingly, a person had virtually no chance of receiving a verbal warning from the court for safety belt nonuse if a single citation was issued when stopped, but a person had up to one in three chances of getting a verbal warning if that person was also cited for another infraction at the same stop. Average fines did not differ significantly among counties or time periods.

**Table 5a.  
Number and Average Fine of Safety Belt Citations by  
Disposition Type, Ticket Form and Stop for Antrim County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	64 79.0%	1 1.2%	14 17.3%	79 97.5%	2 2.5%	0 0.0%	0 0.0%	81 100.0%
Avg Fine	\$60.00	\$30.00	\$131.64	\$73.88				
Std Dev	$\sigma = 0$	N/A	$\sigma = 27.13$					
Multiple Ticket Stop	9 69.2%	0 0.0%	3 23.1%	12 92.3%	1 7.7%	0 0.0%	0 0.0%	13 100.0%
Avg Fine	\$60.00	\$0.00	\$67.67	\$42.56				
Std Dev	$\sigma = 0$	$\sigma = 0$	$\sigma = 13.28$					
Total Citations 1992	73 77.7%	1 1.1%	17 18.1%	91 96.8%	3 3.2%	0 0.0%	0 0.0%	94 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	20 69.0%	0 0.0%	8 27.6%	28 96.6%	1 3.4%	0 0.0%	0 0.0%	29 100.0%
Avg Fine	\$58.00	\$0.00	\$103.63	\$53.88				
Std Dev	$\sigma = 6.16$	$\sigma = 0$	$\sigma = 34.36$					
Multiple Ticket Stop	21 48.8%	0 0.0%	6 14.0%	27 62.8%	1 2.3%	15 34.9%	0 0.0%	43 100.0%
Avg Fine	\$62.95	\$0.00	\$83.00	\$48.65				
Std Dev	$\sigma = 20.61$	$\sigma = 0$	$\sigma = 20.57$					
Total Citations 1993	41 56.9%	0 0.0%	14 19.4%	55 76.4%	2 2.8%	15 20.8%	0 0.0%	72 100.0%
<b>Change in Total Number of Safety Belt Citations 1992 to 1993</b>								
Single Ticket Stop	-44	-1	-6	-51	-1	0	0	-52
Multiple Ticket Stop	12	0	3	15	0	15	0	30
Net Change:	-32	-1	-3	-36	-1	15	0	-22
Total % Change:	-43.8%	-100.0%	-17.6%	-39.6%	-33.3%	N/A	N/A	-23.4%

**Table 5b.  
Number and Average Fine of Safety Belt Citations by  
Disposition Type, Ticket Form and Stop for Kaskaska County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	132 74.2%	4 2.2%	40 22.5%	176 98.9%	2 1.1%	0 0.0%	0 0.0%	178 100.0%
Avg Fine	\$60.17	\$60.00	\$124.98	\$81.72				
Std Dev	$\sigma = 2.00$	$\sigma = 0$	$\sigma = 35.70$					
Multiple Ticket Stop	18 72.0%	0 0.0%	7 28.0%	25 100.0%	0 0.0%	0 0.0%	0 0.0%	25 100.0%
Avg Fine	\$60.00	\$0.00	\$113.43	\$57.81				
Std Dev	$\sigma = 0$	$\sigma = 0$	$\sigma = 40.21$					
Total Citations 1992	150 73.9%	4 2.0%	47 23.2%	201 99.0%	2 1.0%	0 0.0%	0 0.0%	203 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	47 66.2%	5 7.0%	16 22.5%	68 95.8%	0 0.0%	2 2.8%	1 1.4%	71 100.0%
Avg Fine	\$60.00	\$57.60	\$102.06	\$73.22				
Std Dev	$\sigma = 0$	$\sigma = 20.77$	$\sigma = 30.05$					
Multiple Ticket Stop	132 63.2%	8 3.8%	33 15.8%	173 82.8%	3 1.4%	29 13.9%	4 1.9%	209 100%
Avg Fine	\$60.17	\$62.88	\$99.45	\$74.17				
Std Dev	$\sigma = 2.00$	$\sigma = 8.13$	$\sigma = 31.97$					
Total Citations 1993	179 63.9%	13 4.6%	49 17.5%	241 86.1%	3 1.1%	31 11.1%	5 1.8%	280 100%
<b>Change in Total Number of Safety Belt Citations 1992 to 1993</b>								
Single Ticket Stop	-85	1	-24	-108	-2	2	1	-107
Multiple Ticket Stop	114	8	26	148	3	29	4	184
Net Change	29	9	2	40	1	31	5	77
Total % Change	19.3%	225.0%	4.3%	19.9%	50.0%	N/A	N/A	37.9%

**Table 5c.**  
**Number and Average Fine of Safety Belt Citations by**  
**Disposition Type, Ticket Form and Stop for Otsego County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	57 72.2%	0 0.0%	20 25.3%	77 97.5%	2 2.5%	0 0.0%	0 0.0%	79 100.0%
Avg Fine	\$58.30	\$0.00	\$114.75	\$57.68				
Std Dev	$\sigma = 11.62$	$\sigma = 0$	$\sigma = 32.78$					
Multiple Ticket Stop	29 65.9%	1 2.3%	12 27.3%	42 95.5%	2 4.5%	0 0.0%	0 0.0%	44 100.0%
Avg Fine	\$63.24	\$60.00	\$104.92	\$76.05				
Std Dev	$\sigma = 13.71$	N/A	$\sigma = 40.78$					
Total Citations 1992	86 69.9%	1 0.8%	32 26.0%	119 96.7%	4 3.3%	0 0.0%	0 0.0%	123 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	63 69.2%	4 4.4%	22 24.2%	89 97.8%	1 1.1%	1 1.1%	0 0.0%	91 100.0%
Avg Fine	\$62.11	\$71.50	\$115.59	\$83.07				
Std Dev	$\sigma = 17.43$	$\sigma = 15.59$	$\sigma = 40.65$					
Multiple Ticket Stop	107 48.9%	3 1.4%	33 15.1%	143 65.3%	2 0.9%	73 33.3%	1 0.5%	219 100.0%
Avg Fine	\$61.53	\$60.00	\$107.30	\$76.28				
Std Dev	$\sigma = 20.12$	$\sigma = 0$	$\sigma = 34.13$					
Total Citations 1993	170 54.8%	7 2.3%	55 17.7%	232 74.8%	3 1.0%	74 23.9%	1 0.3%	310 100.0%
<b>Change in Total Number of Safety Belt Citations 1992 to 1993</b>								
Single Ticket Stop	6	4	2	12	-1	1	0	12
Multiple Ticket Stop	78	2	21	101	0	73	1	175
Net Change:	84	6	23	113	-1	74	1	187
Total % Change:	97.7%	600.0%	71.9%	95.0%	-25.0%	N/A	N/A	152.0%

## ***Speeding Citations***

Tables 6a through 6c show the number and disposition of speeding citations issued in each of the three counties in the 87th District. Each of the columns of the table represents a given disposition (e.g., column 1 describes cases in which the defendant was either found guilty or admitted guilt). In addition to the number of citations resulting in each disposition, the average fine and standard deviation of the average fine is given.

There was little change overall in the number and disposition of speeding citations in the 87th District when the multiple citation form became available; however, there were varied effects within the counties. In Kankaskia county, there was a small net decrease in speeding citations issued (-4.5 percent), and a large decrease in the net number of guilty verdicts (-22.6 percent). On the other hand, in Otsego and Antrim counties there was an increase in the number of speeding citations issued (17.5 percent and 11.2 percent, respectively), but little change in the proportion of alleged violators receiving a guilty disposition. What is also seen is that a large proportion of citations resulted in verbal warnings (32.2 to 55.7 percent of dispositions), when issued in multiple citation events when the multiple citation form was in use. Interestingly, the chances of receiving a verbal warning are about 10 times greater if one received multiple citations than a single citation at a given stop. Average fines differed little among counties or time periods.

**Table 6a.  
Number and Average Fine of Speeding Citations by  
Disposition Type, Ticket Form and Stop for Antrim County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	627 82.2%	37 4.8%	90 11.8%	754 98.8%	7 0.9%	0 0.0%	2 0.3%	763 100.0%
Avg Fine	\$68.33	\$63.11	\$118.34	\$83.26				
Std Dev	$\sigma = 12.64$	$\sigma = 20.76$	$\sigma = 46.23$					
Multiple Ticket Stop	13 86.7%	1 6.7%	1 6.7%	15 100.0%	0 0.0%	0 0.0%	0 0.0%	15 100.0%
Avg Fine	\$73.46	\$100.00	\$70.00	\$81.15				
Std Dev	$\sigma = 23.40$	$\sigma = \text{N/A}$	$\sigma = \text{N/A}$					
Total Citations 1992	640 82.3%	38 4.9%	91 11.7%	769 98.8%	7 0.9%	0 0.0%	2 0.3%	778 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	608 80.5%	12 1.6%	84 11.1%	704 93.2%	13 1.7%	37 4.9%	1 0.1%	755 100.0%
Avg Fine	\$65.22	\$58.42	\$97.95	\$73.86				
Std Dev	$\sigma = 10.48$	$\sigma = 18.24$	$\sigma = 27.78$					
Multiple Ticket Stop	50 45.5%	2 1.8%	15 13.6%	67 60.9%	1 0.9%	42 38.2%	0 0.0%	110 100.0%
Avg Fine	\$68.40	\$80.00	\$101.60	\$83.33				
Std Dev	$\sigma = 15.40$	$\sigma = 28.28$	$\sigma = 32.54$					
Total Citations 1993	658 76.1%	14 1.6%	99 11.4%	771 89.1%	14 1.6%	79 9.1%	1 0.1%	865 100.0%
<b>Change in Total Number of Speeding Citations 1992 to 1993</b>								
Single Ticket Stop	-19	-25	-6	-50	6	37	-1	-8
Multiple Ticket Stop	37	1	14	52	1	42	0	95
Net Change:	18	-24	8	2	7	79	-1	87
Total % Change:	2.8%	-63.2%	8.8%	0.3%	100.0%	N/A	N/A	11.2%

**Table 6b.  
Number and Average Fine of Speeding Citations by  
Disposition Type, Ticket Form and Stop for Kalkaska County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	712 68.4%	149 14.3%	172 16.5%	1033 99.0%	8 0.8%	0 0.0%	0 0.0%	1041 100.0%
Avg Fine	\$82.75	\$92.43	\$142.29	\$105.82				
Std Dev	$\sigma = 22.78$	$\sigma = 33.99$	$\sigma = 45.63$					
Multiple Ticket Stop	29 70.7%	2 4.9%	9 22.0%	40 97.6%	1 2.4%	0 0.0%	0 0.0%	41 100.0%
Avg Fine	\$86.72	\$95.00	\$157.33	\$113.02				
Std Dev	$\sigma = 27.98$	$\sigma = 7.07$	$\sigma = 32.63$					
Total Citations 1992	741 68.5%	151 14.0%	181 16.7%	1073 99.2%	9 0.8%	0 0.0%	0 0.0%	1082 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	569 73.1%	62 8.0%	91 11.7%	722 92.8%	4 0.5%	23 3.0%	29 3.7%	778 100.0%
Avg Fine	\$75.82	\$81.95	\$118.90	\$92.22				
Std Dev	$\sigma = 18.93$	$\sigma = 26.14$	$\sigma = 37.57$					
Multiple Ticket Stop	82 32.2%	7 2.7%	19 7.5%	108 42.4%	1 0.4%	142 55.7%	4 1.6%	255 100.0%
Avg Fine	\$79.56	\$79.29	\$134.21	\$97.69				
Std Dev	$\sigma = 21.69$	$\sigma = 14.27$	$\sigma = 50.42$					
Total Citations 1993	651 63.0%	69 6.7%	110 10.6%	830 80.3%	5 0.5%	165 16.0%	33 3.2%	1033 100.0%
<b>Change in Total Number of Speeding Citations 1992 to 1993</b>								
Single Ticket Stop	-143	-87	-81	-311	-4	23	29	-263
Multiple Ticket Stop	53	5	10	68	0	142	4	214
Net Change:	-90	-82	-71	-243	-4	165	33	-49
Total % Change:	-12.1%	-54.3%	-39.2%	-22.6%	44.4%	N/A	N/A	-4.5%

**Table 6c.  
Number and Average Fine of Speeding Citations by  
Disposition Type, Ticket Form and Stop for Otsego County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	665 78.6%	18 2.1%	157 18.6%	840 99.3%	6 0.7%	0 0.0%	0 0.0%	846 100.0%
Avg Fine	\$69.41	\$88.22	\$117.39	\$91.67				
Std Dev	$\sigma = 18.21$	$\sigma = 53.69$	$\sigma = 43.33$					
Multiple Ticket Stop	48 66.7%	1 1.4%	21 29.2%	70 97.2%	2 2.8%	0 0.0%	0 0.0%	72 100.0%
Avg Fine	\$72.98	\$141.00	\$111.90	\$108.63				
Std Dev	$\sigma = 20.27$	N/A	$\sigma = 40.72$					
Total Citations 1992	713 77.7%	19 2.1%	178 19.4%	910 99.1%	8 0.9%	0 0.0%	0 0.0%	918 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	619 78.1%	21 2.6%	124 15.6%	764 96.3%	9 1.1%	20 2.5%	0 0.0%	793 100.0%
Avg Fine	\$69.00	\$72.43	\$105.39	\$82.27				
Std Dev	$\sigma = 16.38$	$\sigma = 38.10$	$\sigma = 31.09$					
Multiple Ticket Stop	154 53.8%	2 0.7%	34 11.9%	190 66.4%	3 1.0%	92 32.2%	1 0.3%	286 100.0%
Avg Fine	\$71.69	\$65.00	\$111.21	\$82.63				
Std Dev	$\sigma = 16.25$	$\sigma = 7.07$	$\sigma = 38.66$					
Total Citations 1993	773 71.6%	23 2.1%	158 14.6%	954 88.4%	12 1.1%	112 10.4%	1 0.1%	1079 100.0%
<b>Change in Total Number of Speeding Citations 1992 to 1993</b>								
Single Ticket Stop	-46	3	-33	-76	3	20	0	-53
Multiple Ticket Stop	106	1	13	120	1	92	1	214
Net Change:	60	4	-20	44	4	112	1	161
Total % Change:	8.4%	21.1%	-11.2%	4.8%	50.0%	N/A	N/A	17.5%

**Other Citations**

Results for the number and disposition of **defective equipment citations** (Tables 7a through 7c), **administrative, parking, license/permit citations** (Tables 8a through 8c), and **"other" traffic citations** (Tables 9a through 9c) issued in each of the three counties in the 87th District are shown in their respective tables. Each of the columns of the tables represent a given disposition (e.g.,



column 1 describes cases in which the defendant was either found guilty or admitted guilt). In addition to the number of citations resulting in each disposition, the average fine and standard deviation of the average fine is given. Because of the varied nature of the specific violations covered within each of these citation categories, they will not be discussed in detail in the text, but the tables are provided for inspection by the reader.

Table 7a. Number and Average Fine of Defective Equipment Citations by Disposition Type, Ticket Form and Stop for Antrim County								
Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	3 1.9%	0 0.0%	19 12.2%	22 14.1%	134 85.9%	0 0.0%	0 0.0%	156 100.0%
Avg Fine	\$60.00	\$0.00	\$116.53	\$58.84				
Std Dev	$\sigma = 0$	$\sigma = 0$	$\sigma = 33.80$					
Multiple Ticket Stop	1 8.3%	0 0.0%	3 25.0%	4 33.3%	8 66.7%	0 0.0%	0 0.0%	12 100.0%
Avg Fine	\$60.00	\$0.00	\$106.00	\$55.33				
Std Dev	N/A	$\sigma = 0$	$\sigma = 0$					
Total Citations 1992	4 2.4%	0 0.0%	22 13.1%	26 15.5%	142 84.5%	0 0.0%	0 0.0%	168 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	2 1.1%	0 0.0%	15 8.1%	17 9.2%	163 88.1%	5 2.7%	0 0.0%	185 100.0%
Avg Fine	\$60.00	\$0.00	\$120.47	\$60.16				
Std Dev	$\sigma = 0$	$\sigma = 0$	$\sigma = 37.88$					
Multiple Ticket Stop	1 1.3%	0 0.0%	9 11.5%	10 12.8%	47 60.3%	21 26.9%	0 0.0%	78 100.0%
Avg Fine	\$60.00	\$0.00	\$98.78	\$52.93				
Std Dev	N/A	$\sigma = 0$	$\sigma = 33.35$					
Total Citations 1993	3 1.1%	0 0.0%	24 9.1%	27 10.3%	210 79.8%	26 9.9%	0 0.0%	263 100.0%
<b>Change in Total Number of Defective Equipment Citations 1992 to 1993</b>								
Single Ticket Stop	-1	0	-4	-5	29	5	0	29
Multiple Ticket Stop	0	0	6	6	39	21	0	66
Net Change:	-1	0	2	1	68	26	0	95
Total % Change:	-25.0%	N/A	9.1%	3.8%	47.9%	N/A	N/A	56.5%

**Table 7b.  
Number and Average Fine of Defective Equipment Citations by  
Disposition Type, Ticket Form and Stop for Kalkaska County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	8 4.9%	2 1.2%	28 17.2%	38 23.3%	124 76.1%	0 0.0%	1 0.6%	163 100.0%
Avg Fine	\$60.00	\$60.00	\$112.46	\$77.49				
Std Dev	$\sigma = 0$	$\sigma = 0$	$\sigma = 46.30$					
Multiple Ticket Stop	2 8.3%	0 0.0%	9 37.5%	11 45.8%	13 54.2%	0 0.0%	0 0.0%	24 100.0%
Avg Fine	\$60.00	\$0.00	\$95.89	\$51.96				
Std Dev	$\sigma = 0$	$\sigma = 0$	$\sigma = 56.10$					
Total Citations 1992	10 5.3%	2 1.1%	37 19.8%	49 26.2%	137 73.3%	0 0.0%	1 0.5%	187 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	0 0.0%	1 0.6%	13 7.2%	14 7.8%	163 90.6%	3 1.7%	0 0.0%	180 100.0%
Avg Fine	\$0.00	\$118.00	\$121.77	\$79.92				
Std Dev	$\sigma = 0$	N/A	$\sigma = 27.33$					
Multiple Ticket Stop	4 2.6%	1 0.7%	23 15.2%	28 18.5%	92 60.9%	31 20.5%	0 0.0%	151 100.0%
Avg Fine	\$65.75	\$60.00	\$99.74	\$75.16				
Std Dev	$\sigma = 11.50$	N/A	$\sigma = 33.60$					
Total Citations 1993	4 1.2%	2 0.6%	36 10.9%	42 12.7%	255 77.0%	34 10.3%	0 0.0%	331 100.0%
<b>Change in Total Number of Defective Equipment Citations 1992 to 1993</b>								
Single Ticket Stop	-8	-1	-15	-24	39	3	-1	17
Multiple Ticket Stop	2	1	14	17	79	31	0	127
Net Change:	-6	0	-1	-7	118	34	-1	144
Total % Change:	-60.0%	0.0%	-2.7%	-14.3%	86.1%	N/A	N/A	77.0%

**Table 7c.**  
**Number and Average Fine of Defective Equipment Citations by**  
**Disposition Type, Ticket Form and Stop for Otsego County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	1 1.8%	0 0.0%	18 31.6%	19 33.3%	38 66.7%	0 0.0%	0 0.0%	57 100.0%
Avg Fine	\$60.00	\$0.00	\$130.83	\$63.61				
Std Dev	N/A	$\sigma = 0$	$\sigma = 35.76$					
Multiple Ticket Stop	2 11.1%	0 0.0%	5 27.8%	7 38.9%	11 61.1%	0 0.0%	0 0.0%	18 100.0%
Avg Fine	\$95.50	\$0.00	\$82.80	\$59.43				
Std Dev	$\sigma = 50.20$	$\sigma = 0$	$\sigma = 78.08$					
Total Citations 1992	3 4.0%	0 0.0%	23 30.7%	26 34.7%	49 65.3%	0 0.0%	0 0.0%	75 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	8 6.8%	0 0.0%	17 14.4%	25 21.2%	83 70.3%	10 8.5%	0 0.0%	118 100.0%
Avg Fine	\$42.25	\$0.00	\$82.06	\$41.44				
Std Dev	$\sigma = 32.15$	$\sigma = 0$	$\sigma = 40.61$					
Multiple Ticket Stop	5 4.0%	0 0.0%	11 8.8%	16 12.8%	55 44.0%	54 43.2%	0 0.0%	125 100.0%
Avg Fine	\$36.00	\$0.00	\$101.27	\$45.76				
Std Dev	$\sigma = 32.86$	$\sigma = 0$	$\sigma = 49.43$					
Total Citations 1993	13 5.3%	0 0.0%	28 11.5%	41 16.9%	1338 56.8%	64 26.3%	0 0.0%	243 100.0%
<b>Change in Total Number of Defective Equipment Citations 1992 to 1993</b>								
Single Ticket Stop	7	0	-1	6	45	10	0	61
Multiple Ticket Stop	3	0	6	9	44	54	0	107
Net Change:	10	0	5	15	89	64	0	168
Total % Change:	333.3%	N/A	21.7%	57.7%	181.6%	N/A	N/A	224.0%

**Table 8a.**  
**Number and Average Fine of Administrative, Parking, License/Permit Citations by**  
**Disposition Type, Ticket Form and Stop for Antrim County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	45 46.9%	1 1.0%	12 12.5%	58 60.4%	35 36.5%	0 0.0%	3 3.1%	96 100.0%
Avg Fine	\$57.02	\$15.00	\$119.58	\$63.87				
Std Dev	$\sigma = 33.28$	N/A	$\sigma = 38.85$					
Multiple Ticket Stop	19 57.6%	0 0.0%	4 12.1%	23 69.7%	10 30.3%	0 0.0%	0 0.0%	33 100.0%
Avg Fine	\$66.84	\$0.00	\$130.00	\$65.61				
Std Dev	$\sigma = 23.70$	$\sigma = 0$	$\sigma = 27.71$					
Total Citations 1992	64 49.6%	1 0.8%	16 12.4%	81 62.8%	45 34.9%	0 0.0%	3 2.3%	129 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	50 64.9%	0 0.0%	9 11.7%	59 76.6%	17 22.1%	1 1.3%	0 0.0%	77 100.0%
Avg Fine	\$52.10	\$0.00	\$95.44	\$49.18				
Std Dev	$\sigma = 16.45$	$\sigma = 0$	$\sigma = 22.42$					
Multiple Ticket Stop	41 36.0%	0 0.0%	5 4.4%	46 40.4%	23 20.2%	43 37.7%	2 1.8%	114 100.0%
Avg Fine	\$62.51	\$0.00	\$87.60	\$50.04				
Std Dev	$\sigma = 19.62$	$\sigma = 0$	$\sigma = 19.24$					
Total Citations 1993	91 47.6%	0 0.0%	14 7.3%	105 55.0%	40 20.9%	44 23.0%	2 1.0%	191 100.0%
<b>Change in Total Number of Administrative, Parking, License/Permit Citations 1992 to 1993</b>								
Single Ticket Stop	5	-1	-3	1	-18	1	-3	-19
Multiple Ticket Stop	22	0	1	23	13	43	2	81
Net Change:	27	-1	-2	24	-5	44	-1	62
Total % Change:	42.2%	-100.0%	-12.5%	29.6%	-11.1%	N/A	N/A	48.1%

**Table 8b.  
Number and Average Fine of Administrative, Parking, License/Permit Citations by  
Disposition Type, Ticket Form and Stop for Kalkaska County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	67 55.4%	0 0.0%	9 7.4%	76 62.8%	41 33.9%	0 0.0%	4 3.3%	121 100.0%
Avg Fine	\$68.78	\$0.00	\$104.22	\$57.67				
Std Dev	$\sigma = 27.41$	$\sigma = 0$	$\sigma = 39.70$					
Multiple Ticket Stop	30 49.2%	0 0.0%	8 13.1%	38 62.3%	23 37.7%	0 0.0%	0 0.0%	61 100.0%
Avg Fine	\$66.90	\$0.00	\$133.13	\$66.68				
Std Dev	$\sigma = 19.94$	$\sigma = 0$	$\sigma = 29.67$					
Total Citations 1992	97 53.3%	0 0.0%	17 9.3%	114 62.6%	64 35.2%	0 0.0%	4 2.2%	182 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	56 72.7%	2 2.6%	4 5.2%	62 80.5%	13 16.9%	2 2.6%	0 0.0%	77 100.0%
Avg Fine	\$66.91	\$60.00	\$88.75	\$71.89				
Std Dev	$\sigma = 22.63$	$\sigma = 0$	$\sigma = 11.50$					
Multiple Ticket Stop	43 23.5%	0 0.0%	13 7.1%	56 30.6%	87 47.5%	34 18.6%	6 3.3%	183 100.0%
Avg Fine	\$66.14	\$0.00	\$101.46	\$55.87				
Std Dev	$\sigma = 24.26$	$\sigma = 0$	$\sigma = 36.20$					
Total Citations 1993	99 38.1%	2 0.8%	17 6.5%	118 45.4%	100 38.5%	36 13.8%	6 2.3%	260 100.0%
<b>Change in Total Number of Administrative, Parking, License/Permit Citations 1992 to 1993</b>								
Single Ticket Stop	-11	2	-5	-14	-28	2	-4	-44
Multiple Ticket Stop	13	0	5	18	64	34	6	122
Net Change:	2	2	0	4	36	36	2	78
Total % Change:	2.1%	N/A	0.0%	3.5%	56.3%	N/A	N/A	42.9%

**Table 8c.  
Number and Average Fine of Administrative, Parking, License/Permit Citations by  
Disposition Type, Ticket Form and Stop for County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	104 55.9%	4 2.2%	15 8.1%	123 66.1%	60 32.3%	0 0.0%	3 1.6%	186 100.0%
Avg Fine	\$67.96	\$43.75	\$120.93	\$77.55				
Std Dev	$\sigma = 32.08$	$\sigma = 29.26$	$\sigma = 52.83$					
Multiple Ticket Stop	52 54.2%	0 0.0%	19 19.8%	71 74.0%	25 26.0%	0 0.0%	0 0.0%	96 100.0%
Avg Fine	\$64.87	\$0.00	\$102.05	\$55.64				
Std Dev	$\sigma = 43.19$	$\sigma = 0$	$\sigma = 64.87$					
Total Citations 1992	156 55.3%	4 1.4%	34 12.1%	194 68.8%	85 30.1%	0 0.0%	3 1.1%	282 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	84 65.6%	1 0.8%	7 5.5%	92 71.9%	31 24.2%	3 2.3%	2 1.6%	128 100.0%
Avg Fine	\$66.42	\$30.00	\$113.43	\$69.95				
Std Dev	$\sigma = 18.14$	N/A	$\sigma = 37.95$					
Multiple Ticket Stop	85 30.8%	1 0.4%	18 6.5%	104 37.7%	68 24.6%	99 35.9%	5 1.8%	276 100.0%
Avg Fine	\$61.75	\$149.00	\$106.61	\$105.79				
Std Dev	$\sigma = 25.03$	N/A	$\sigma = 51.82$					
Total Citations 1993	169 41.8%	2 0.5%	25 6.2%	196 48.5%	99 24.5%	102 25.2%	7 1.7%	404 100.0%
<b>Change in Total Number of Administrative, Parking, License/Permit Citations 1992 to 1993</b>								
Single Ticket Stop	-20	-3	-8	-31	-29	3	-1	-58
Multiple Ticket Stop	33	1	-1	33	43	99	5	180
Net Change:	13	-2	-9	2	14	102	4	122
Total % Change:	8.3%	-50.0%	-26.5%	1.0%	16.5%	N/A	N/A	43.3%

**Table 9a.  
Number and Average Fine of Other Traffic Citations by  
Disposition Type, Ticket Form and Stop for Antrim County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	66 73.3%	11 12.2%	8 8.9%	85 94.4%	2 2.2%	0 0.0%	3 3.3%	90 100.0%
Avg Fine	\$73.86	\$53.64	\$130.75	\$86.08				
Std Dev	$\sigma = 8.36$	$\sigma = 23.25$	$\sigma = 40.00$					
Multiple Ticket Stop	4 36.4%	2 18.2%	2 18.2%	8 72.7%	3 27.3%	0 0.0%	0 0.0%	11 100.0%
Avg Fine	\$75.25	\$57.50	\$91.50	\$74.75				
Std Dev	$\sigma = 12.66$	$\sigma = 10.61$	$\sigma = 23.33$					
Total Citations 1992	70 69.3%	13 12.9%	10 9.9%	93 92.1%	5 5.0%	0 0.0%	3 3.0%	101 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	48 63.2%	7 9.2%	9 11.8%	64 84.2%	4 5.3%	6 7.9%	2 2.6%	76 100.0%
Avg Fine	\$337.35	\$55.71	\$229.44	\$207.50				
Std Dev	$\sigma = 1451.08$	$\sigma = 16.44$	$\sigma = 384.84$					
Multiple Ticket Stop	12 41.4%	0 0.0%	7 24.1%	19 65.5%	4 13.8%	5 17.2%	1 3.4%	29 100.0%
Avg Fine	\$73.83	\$0.00	\$106.86	\$60.23				
Std Dev	$\sigma = 20.34$	$\sigma = 0$	$\sigma = 27.51$					
Total Citations 1993	60 57.1%	7 6.7%	16 15.2%	83 79.0%	8 7.6%	11 10.5%	3 2.9%	105 100.0%
<b>Change in Total Number of Other Traffic Citations 1992 to 1993</b>								
Single Ticket Stop	-18	-4	1	-21	2	6	-1	-14
Multiple Ticket Stop	8	-2	5	11	1	5	1	18
Net Change	-10	-6	6	-10	3	11	0	4
Total % Change	-14.3%	-46.2%	60.0%	-10.8%	60.0%	N/A	N/A	4.0%

**Table 9b.  
Number and Average Fine of Other Traffic Citations by  
Disposition Type, Ticket Form and Stop for Kalkaska County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	71 54.2%	22 16.8%	25 19.1%	118 90.1%	9 6.9%	0 0.0%	4 3.1%	131 100.0%
Avg Fine	\$75.27	\$70.91	\$130.40	\$92.19				
Std Dev	$\sigma = 14.27$	$\sigma = 8.68$	$\sigma = 34.40$					
Multiple Ticket Stop	9 69.2%	1 7.7%	2 15.4%	12 92.3%	1 7.7%	0 0.0%	0 0.0%	13 100.0%
Avg Fine	\$73.89	\$50.00	\$138.50	\$87.46				
Std Dev	$\sigma = 12.44$	N/A	$\sigma = 43.13$					
Total Citations 1992	80 55.6%	23 16.0%	27 18.8%	130 90.3%	10 6.9%	0 0.0%	4 2.8%	144 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	62 50.4%	13 10.6%	11 8.9%	86 69.9%	26 21.1%	5 4.1%	6 4.9%	123 100.0%
Avg Fine	\$74.63	\$83.15	\$99.55	\$85.78				
Std Dev	$\sigma = 17.19$	$\sigma = 27.46$	$\sigma = 30.32$					
Multiple Ticket Stop	9 16.4%	2 3.6%	7 12.7%	18 32.7%	6 10.9%	30 54.5%	1 1.8%	55 100.0%
Avg Fine	\$75.00	\$62.50	\$77.86	\$71.79				
Std Dev	$\sigma = 8.66$	$\sigma = 3.54$	$\sigma = 38.19$					
Total Citations 1993	71 39.9%	15 8.4%	18 10.1%	104 58.4%	32 18.0%	35 19.7%	7 3.9%	178 100.0%
<b>Change in Total Number of Other Traffic Citations 1992 to 1993</b>								
Single Ticket Stop	-9	-9	-14	-32	17	5	2	-8
Multiple Ticket Stop	0	1	5	6	5	30	1	42
Net Change:	-9	-8	-9	-26	22	35	3	34
Total % Change:	-11.3%	34.8%	-33.3%	-20.0%	220.0%	N/A	N/A	23.6%



**Table 9c.  
Number and Average Fine of Other Traffic Citations by  
Disposition Type, Ticket Form and Stop for Otsego County**

Disposition								
	Guilty/ Admit	Found Responsible	Default Judgment	Guilty Subtotal	Case Dismissed	Verbal Warning	Other	Grand Total
<b>Single Ticket Form: 1992</b>								
Single Ticket Stop	72 64.9%	9 8.1%	18 16.2%	99 89.2%	8 7.2%	0 0.0%	4 3.6%	111 100.0%
Avg Fine	\$75.99	\$64.78	\$124.50	\$88.42				
Std Dev	$\sigma = 17.90$	$\sigma = 7.53$	$\sigma = 41.13$					
Multiple Ticket Stop	4 36.4%	1 9.1%	5 45.5%	10 90.9%	1 9.1%	0 0.0%	0 0.0%	11 100.0%
Avg Fine	\$75.00	\$47.00	\$142.60	\$88.20				
Std Dev	$\sigma = 7.07$	N/A	$\sigma = 25.88$					
Total Citations 1992	76 62.3%	10 8.2%	23 18.9%	109 89.3%	9 7.4%	0 0.0%	4 3.3%	122 100.0%
<b>Multiple Ticket Form: 1993</b>								
Single Ticket Stop	102 71.3%	9 6.3%	19 13.3%	130 90.9%	5 3.5%	6 4.2%	2 1.4%	143 100.0%
Avg Fine	\$74.90	\$68.11	\$122.16	\$88.39				
Std Dev	$\sigma = 11.95$	$\sigma = 19.64$	$\sigma = 39.92$					
Multiple Ticket Stop	34 39.1%	1 1.1%	9 10.3%	44 50.6%	3 3.4%	40 46.0%	0 0.0%	87 100.0%
Avg Fine	\$75.24	\$166.00	\$101.44	\$114.23				
Std Dev	$\sigma = 20.69$	N/A	$\sigma = 33.03$					
Total Citations 1993	136 59.1%	10 4.3%	28 12.2%	174 75.7%	8 3.5%	46 20.0%	2 0.9%	230 100.0%
<b>Change in Total Number of Other Traffic Citations 1992 to 1993</b>								
Single Ticket Stop	30	0	1	31	-3	6	-2	32
Multiple Ticket Stop	30	0	4	34	2	40	0	76
Net Change:	60	0	5	65	-1	46	-2	108
Total % Change:	78.9%	0.0%	21.7%	59.6%	-11.1%	N/A	N/A	88.5%

## SUMMARY

In cooperation with the Michigan Office of Highway Safety Planning (OHSP), police agencies reporting to the 87<sup>th</sup> District Court were issued "multiple citation" forms. These new citation forms (UD8s) allow officers to issue up to three citations on a single ticket form. This report describes the results of a study designed to examine effects that use of the new citation form had on citation frequency, mix, and disposition. Highlights from the study's findings are summarized below.

- The total number of citations issued increases dramatically when the multiple citation form is used as compared with the standard, single citation form.
- Concurrent with the use of the new, multiple citation form there was not only an increase in the total number of citations issued, but also an increase in the number of citations resulting from stops in which more than one citation was issued.
- The total number of traffic stops increased somewhat between 1992 and 1993 for Antrim and Kalkaska counties, and increased substantially in Otsego county. With the notable exception of Otsego county, it would appear that use of the multiple citation form did not increase the number of traffic stops made by police. There are no strong data to point to a single hypothesis that may be responsible for the differences among the counties in the 87th District. Follow-up research is needed to better understand this finding.
- On average, use of the new, multiple citation form resulted in an increase in the number of citations issued per stop. However, over two-thirds of all stops where a citation was issued still resulted in only a single citation being written, even with the use of the multiple citation form.
- There was a substantial net increase of safety belt citations issued and guilty dispositions in the 87th District when the multiple citation form became available.

- A substantially higher proportion of safety belt citations resulted in verbal warnings for multiple citation events in 1993 compared to 1992 in the 87th District (up to one-third of all safety belt citations issued). Interestingly, a person had virtually no chance of receiving a verbal warning for safety belt nonuse if a single citation was issued when stopped, but a person had up to a one out of three chance of getting a verbal warning if that person was also cited for another infraction at the same stop.
- There was little change overall in the number and disposition of speeding citations in the 87th District when the multiple citation form became available.
- A large proportion (more than one-third) of speeding citations resulted in verbal warnings when issued in multiple citation events when the multiple citation form was in use. Interestingly, the chances of receiving a verbal warning are about 10 times greater if one received multiple citations than a single citation at a given stop.
- Average fines differed little among counties or time periods for all citation types.

**APPENDIX**  
**Citation Forms**

# SINGLE CITATION FORM

<input type="checkbox"/> C.I. <input type="checkbox"/> MIS. <input type="checkbox"/> JUV. MIS.	<b>State of Michigan</b> <b>Uniform Vehicle Law Citation</b>	Ticket No. <b>S 1983551</b>
The People of: <input type="checkbox"/> the State of Michigan <input type="checkbox"/> Township <input type="checkbox"/> City <input type="checkbox"/> Village		Local Use _____ Dept. No. _____ Radar _____ BAC _____ Offense Code _____
OF: _____ of _____ THE UNDERSIGNED SAYS THAT ON: _____ Month _____ Day _____ Year		Complaint No. _____ At approximately _____ <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.
State _____ Driver's License Number _____ Sex _____ Name (First, Middle, Last) _____		Date of Birth _____ Month _____ Day _____ Year _____
Street _____ City _____ State _____ Zip Code _____		
Vehicle Plate No. _____	Year _____ State _____	Vehicle Description (Year, Make, Color) _____ Type _____
THE PERSON NAMED ABOVE, IN VIOLATION OF § _____ <input type="checkbox"/> LOCAL ORDINANCE, OR <input type="checkbox"/> STATE LAW, UPON _____ AT OR NEAR _____ WITHIN <input type="checkbox"/> CITY <input type="checkbox"/> VILLAGE <input type="checkbox"/> TOWNSHIP OF _____ COUNTY OF _____ DID THE FOLLOWING:		
<input type="checkbox"/> Speeding _____ MPH in a _____ MPH <input type="checkbox"/> No Operator's License in Possession <input type="checkbox"/> Zone (formerly _____ MPH Zone) <input type="checkbox"/> Driving While License <input type="checkbox"/> Disobey Traffic Signal <input type="checkbox"/> Revoked <input type="checkbox"/> Suspended <input type="checkbox"/> Denied <input type="checkbox"/> Disobey Stop Sign <input type="checkbox"/> Operator has Unlawful Blood Alcohol Level of <input type="checkbox"/> .10% or above <input type="checkbox"/> .04% to .07% <input type="checkbox"/> Defective Equipment <input type="checkbox"/> Operator Under the Influence of <input type="checkbox"/> Liquor <input type="checkbox"/> Controlled Substance		
Describe: _____ _____ _____		
<input type="checkbox"/> VIOLATION FOR WHICH FINES/COSTS MAY BE WAIVED (SEE BACK)		
THIS VIOLATION IS A: <input type="checkbox"/> CIVIL INFRACTION <input type="checkbox"/> MISDEMEANOR		<input type="checkbox"/> C.I. <input type="checkbox"/> MIS. <input type="checkbox"/> JUV. MIS.
CHECK IF APPROPRIATE <input type="checkbox"/> Accident Causing Damage to Property <input type="checkbox"/> Accident Causing Injury Person in Active Military Service <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Appearance Certificate or Cash Deposit _____ <input type="checkbox"/> None <input type="checkbox"/> License Posted in Lieu of Bond
SEE DATE BELOW. SEE BACK OF CITATION FOR EXPLANATION AND INSTRUCTIONS <input type="checkbox"/> Appearance Date: on or before _____ <input type="checkbox"/> Hearing Date (if applicable) on _____ <input type="checkbox"/> Contact Court <input type="checkbox"/> Juvenile Misdemeanor (Court will Notify)		
In the _____ Court of _____ Court address & phone number _____		
<input type="checkbox"/> I served a copy of the civil infraction complaint upon the defendant. I declare under the penalties of perjury that the statements above are true to the best of my information, knowledge, and belief. Complainant's signature and receipt if applicable _____ Month _____ Day _____ Year		
Officer's Name (printed) _____		Officer's ID No. _____
Agency ORI MI- _____	Agency Name Department of State Police	
Remarks _____ _____ _____		
UD-8 (6-92) <span style="float: right;">COURT COPY</span> <span style="float: right; font-size: small;">AUTHORITY 1949 PA 300 COMPLIANCE Voluntary</span>		

Ticket No. S1983551 Name Case No.

**PRESS—YOU ARE MAKING THREE COPIES**

**PRINT—DON'T WRITE**



# MULTIPLE CITATION FORM

<input type="checkbox"/> C.I. <input type="checkbox"/> MIS. <input type="checkbox"/> JUV. MIS.	<b>State of Michigan</b> <b>Uniform Vehicle Law Citation</b>	<b>06876</b>																									
The People of: <input type="checkbox"/> The State of Michigan <input type="checkbox"/> Township <input type="checkbox"/> City <input type="checkbox"/> Village	Local Use Radar _____ BAC _____	Dept. No. _____ Offense Code <b>See Below*</b>																									
OF: _____	_____ of _____	Complaint No. _____																									
THE UNDERSIGNED SAYS THAT ON: _____ State _____ Driver's License Number _____ Sex _____	Month _____ Day _____ Year _____ At approximately _____ <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	Date of Birth _____ Month _____ Day _____ Year _____																									
Name (First, Middle, Last) <b>VOID TICKET</b>																											
Street _____	City _____	State _____ Zip Code _____																									
Vehicle Plate No. _____	Year _____ State _____	Vehicle Description (Year, Make, Color) _____ Type _____																									
THE PERSON NAMED ABOVE, IN VIOLATION OF _____ <input type="checkbox"/> LOCAL ORDINANCE, OR <input type="checkbox"/> STATE LAW, UPON _____ AT OR NEAR _____ WITHIN <input type="checkbox"/> CITY <input type="checkbox"/> VILLAGE <input type="checkbox"/> TOWNSHIP OF _____ COUNTY OF: <input type="checkbox"/> Antrim <input type="checkbox"/> Kalkaska <input type="checkbox"/> Otsego _____ DID THE FOLLOWING:																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">TYPE</th> <th style="width: 15%;">CITE</th> <th style="width: 15%;">SOS</th> <th style="width: 55%;">DESCRIPTION</th> <th style="width: 10%;">COUNT</th> </tr> </thead> <tbody> <tr> <td>VW <input type="checkbox"/> M <input type="checkbox"/></td> <td></td> <td></td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td>CI <input type="checkbox"/> CA <input type="checkbox"/></td> <td></td> <td></td> <td></td> <td style="text-align: center;">2</td> </tr> <tr> <td>VW <input type="checkbox"/> M <input type="checkbox"/></td> <td></td> <td></td> <td></td> <td style="text-align: center;">3</td> </tr> <tr> <td>CI <input type="checkbox"/> CA <input type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	TYPE	CITE	SOS	DESCRIPTION	COUNT	VW <input type="checkbox"/> M <input type="checkbox"/>				1	CI <input type="checkbox"/> CA <input type="checkbox"/>				2	VW <input type="checkbox"/> M <input type="checkbox"/>				3	CI <input type="checkbox"/> CA <input type="checkbox"/>						
TYPE	CITE	SOS	DESCRIPTION	COUNT																							
VW <input type="checkbox"/> M <input type="checkbox"/>				1																							
CI <input type="checkbox"/> CA <input type="checkbox"/>				2																							
VW <input type="checkbox"/> M <input type="checkbox"/>				3																							
CI <input type="checkbox"/> CA <input type="checkbox"/>																											
*OFFENSE CODE(S): 1 _____ 2 _____ 3 _____ VW = Verbal Warning; CI = Civil Infraction; M = Misdemeanor; CA = Complaint Application OFFICER - Check only one Type per Count. Do not combine CI and M on same ticket.																											
<input type="checkbox"/> VIOLATION FOR WHICH FINE/COSTS MAY BE WAIVED (SEE BACK)																											
CHECK IF APPROPRIATE <input type="checkbox"/> Accident Causing Damage to Property <input type="checkbox"/> Accident Causing Injury Person in Active Military Service <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Appearance Certificate or Cash Deposit _____ <input type="checkbox"/> None <input type="checkbox"/> License Posted in Lieu of Bond																									
SEE DATE BELOW. SEE BACK OF CITATION FOR EXPLANATION AND INSTRUCTIONS <input type="checkbox"/> Appearance Date: on or before <b>WITHIN 10 DAYS FROM TICKET DATE</b> <input type="checkbox"/> Hearing Date (if applicable) on _____ <input type="checkbox"/> Contact Court <input type="checkbox"/> Juvenile Misdemeanor (Court will Notify)																											
In the <b>87TH JUDICIAL DISTRICT COURT</b>																											
Court address(es) & phone number(s) <input type="checkbox"/> Antrim County P.O. Box 597 Belleaire, MI 49615-0597 (616) 533-6441 <input type="checkbox"/> Kalkaska County P.O. Box 780 Kalkaska, MI 49646-0780 (616) 258-9031 <input type="checkbox"/> Otsego County P.O. Box 1218 Gaylord, MI 49735-1218 (517) 732-6486																											
<input type="checkbox"/> I served a copy of the civil infraction complaint upon the defendant I declare under the penalties of perjury that the statements above are true to the best of my information, knowledge, and belief.																											
Complainant's signature and receipt if applicable _____		Month _____ Day _____ Year _____																									
Officer's Name (printed) _____		Officer's ID No. _____																									
Agency ORI MI- _____	Agency Name State Police	Sheriff Dept. Village/City Police																									
Remarks _____ _____ _____																											

Name **06876**  
 Case No.

COURT COPY